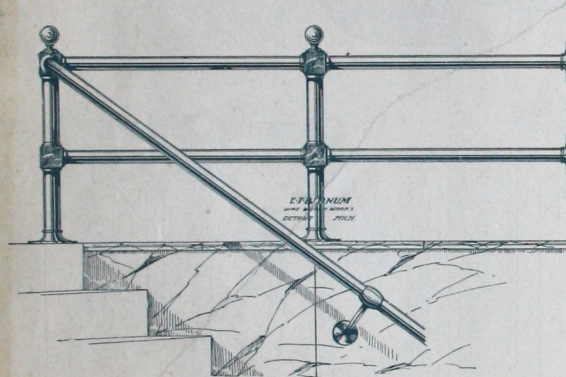


E. T. Barnum Wire and Iron Works, DETROIT, MICH.



No. 373-BRASS AREA RAILING.

2-in. diameter, polished brass tubular rails, EACH RAIL, per lineal foot.....\$1.50
 2½ in. diameter, polished brass tubular posts, 36 in. high, extra.....12.00
 Polished Brass Brackets for supporting Rail to basement, each.....2.75

Made in iron at a much less price.



No. 87-POLISHED METAL SIGN.

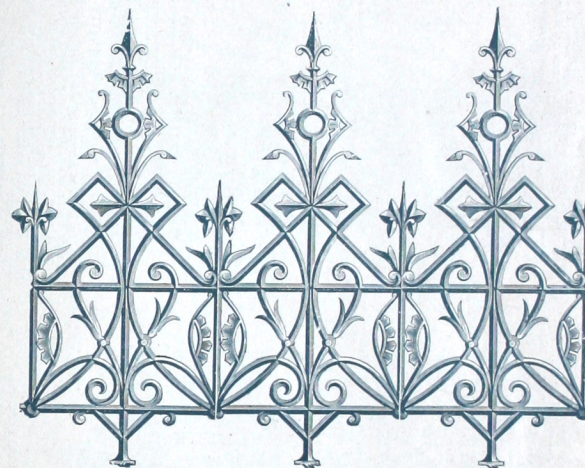
The above design illustrates our best metal sign and is especially intended to place on the outside of the building, requiring an elegant and attractive advertisement. Made with a polished brass back, with raised burnished copper letters and finely embossed moulding to match lettering, it forms a very rich and striking sign.

Combinations to suit any taste may be obtained by use of other finishes, as silver, aluminum and bronze.

Can also be made in above colors with a plain beveled edge, omitting the moulding and decreasing the cost somewhat.

Made any size and any desired combination of colors.

When writing for price be particular to give lettering wanted and size.



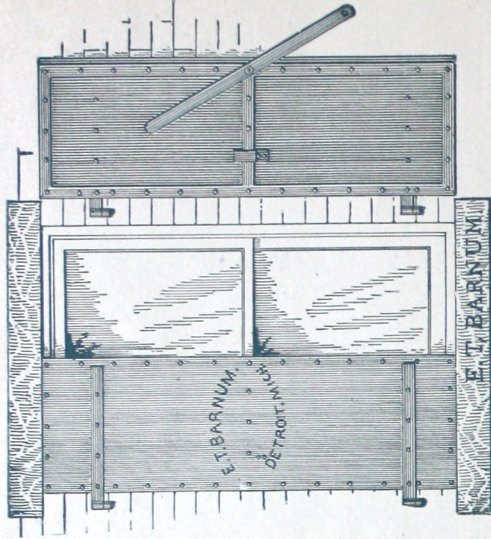
Copyrighted 1883.

No. 72-Malleable Cresting, 30 inches high, per lineal foot, \$1.40

No. 72 Finial matches this Cresting.

BUILDERS' WIRE, IRON AND BRASS WORK

Iron Stairs, Fire Escapes, Sash Bars, Window Guards, Vanes, Stable Fixtures, Fences, Roof Cresting
 Balcony Railings, Bank and Office Railings, Elevator Cabs and Enclosures.



No. 50-WROUGHT STEEL SHUTTERS.

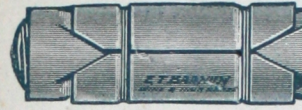
No. 10 steel is generally used for shutters and doors, and occasionally No. 14 steel. When extra heavy door is wanted, they are made with wrought steel hinges. A heavy wrought steel frame is riveted around the edge of the steel plate, making it very solid. When writing for prices, specify the exact height and width of openings and whether the shutters are to be inside or outside the wall. In all cases where the shutters are to be outside the wall, the shutters are already built in the wall, we must have the following measurements:

Height of opening in wall to spring of arch, as indicated at "A" on cut of No. 52

Width of opening in wall as indicated "B" on cut of No. 52

Shut on this page.

shutters on this page. In wall 'a' indicated at 'C' on cut of No. 52 shutters on this page. Spring of arch as indicated at 'O'. Distance from sill to top of lug or lower shutter break 'G'; between tops of lugs 'H'; distance from face of wall to center of lug. Where 'G' and 'H' are NOT built in the wall all that is required are the measurements at 'A', 'C' and 'O'. Note distance of shutter from wall as indicated at 'B'. The amount of shutter to be cut is indicated at 'D'. We make these shutters with a substantial lug bar and angle or flat steel frame securely fastened together with bolts and nuts and handle, substantially as shown in the illustration, and especially as used after flupped.



No. 372-Pattern with Spokes.

...per lineal foot \$1.00

WROUGHT IRON TUBULAR RAILING FOR STAIR AREAS, ETC.

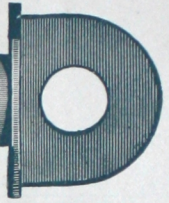
No. 27	1½"	Inch Diameter Tubular Rails	per linear foot, \$1.00
No. 28	1¾"	Inch Diameter Tubular Rails, with lower points or spikes	per linear foot, 1.35
No. 29	2"	Inch Diameter Tubular Rails, with decorative design	each, 2.00
No. 30	2½"	Inch Diameter Uprights and Flanges	each, 2.50

Each tubular railing is made to order from stock material.
In ordering state whether for wood or stone, and send sketch giving measurements exactly as the railing is wanted when set. By observing these directions there will be no delay occasioning writing for them.



(Right Hand.)

Price, each.....	50c
------------------	-----



EXPANSION SHUTTER

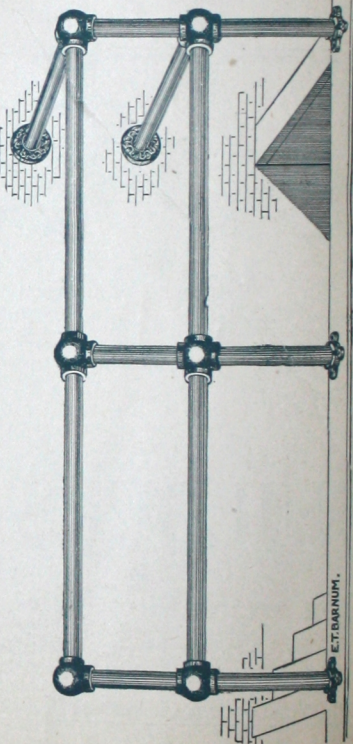
Price each, 60c.



SHUTTER EYE.
(Left Hand.)

Price, each.....	50c
------------------	-----

Shutter eyes are usually ordered in sets of 4, (3 right hand and 2 left hand) or sets of 6 (3 right hand and 3 left hand). Unless otherwise ordered use ship half right hand and half left hand.



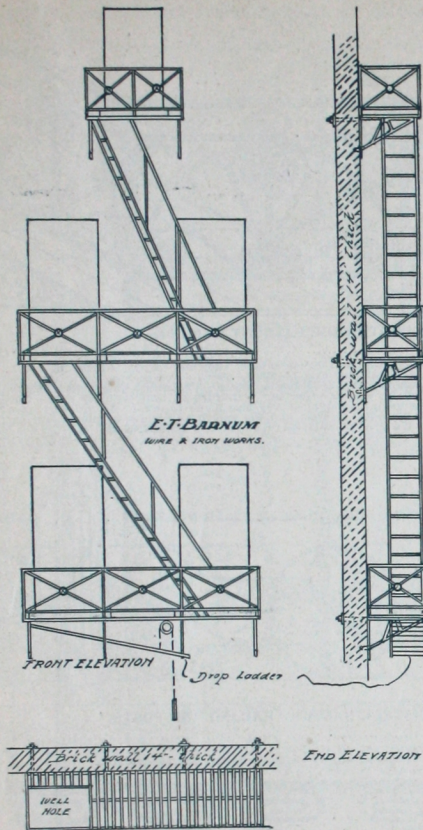
E.T. BARNUM.

No. 370-TUBULAR AREA RAILING WITH GLOBE CONNECTIONS.

No. 370-TUBULAR AREA RAILING WITH GLOBE CONNECTIONS.

Price, 1 1/2 inch Outside Diameter Tubular Rails, painted	...per lineal foot, \$	50
Price, 1 3/4 inch Outside Diameter Tubular Rails, painted	...per lineal foot, \$	50
Price, each Post or Upright	...per lineal foot, \$	50

FIRE ESCAPES.



PLAN

No. 410-FIRE ESCAPE.

Balconies 24 inches wide, 5 feet long Price per lineal foot...\$4.50
 Balconies 24 inches wide, 10 feet long Price per lineal foot...\$4.00
 Balconies 30 inches wide, 5 feet long Price per lineal foot...\$5.00
 Balconies 30 inches wide, 10 feet long Price per lineal foot...\$4.50
 Balconies 36 inches wide, 5 feet long Price per lineal foot...\$5.50
 Balconies 36 inches wide, 10 feet long Price per lineal foot...\$5.00
 Above prices include Steel Slat Floors, Railing, as shown, and Brackets to support Balconies.

Stairs, with 5 inch treads and hand rail, price per foot...\$2.00
 The five-foot Balconies are intended for single windows, and the ladder is placed at one end, out from the wall, the same as in cut, with one window off.

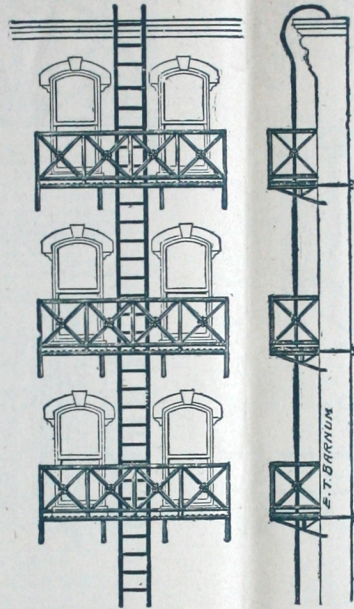
In ordering always give height from sill to sill so we can estimate length of ladder, and state thickness of wall.

Brackets are usually placed about 5 feet apart.

Balconies generally made 24 to 36 inches wide and 5 to 10 feet long. The floors of balconies are formed of steel bars securely fastened to steel stringers, and spaced so as to allow snow and ice to pass through. Ladders are wrought iron with steel treads. Ladders to extend to the ground and to the roof can be included in estimate if desired. Sometimes wood floors are used, but are undesirable for obvious reasons. In ordering or writing for estimates state length and number of balconies wanted, height from floor to floor of building and the thickness of walls. Every hotel and factory should have this protection.

SPECIFY NUMBER AND NAME OF GOODS WANTED.

PLEASE DO NOT TEAR OUT PAGES.



No. 450-FIRE ESCAPE.

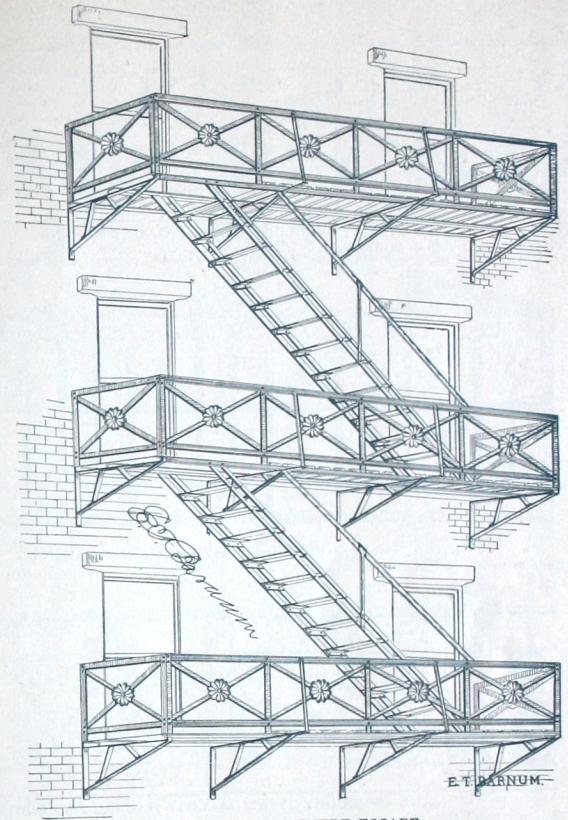
Balconies 24 inches wide, 5 feet long Price per lineal foot...\$4.00
 Balconies 24 inches wide, 10 feet long Price per lineal foot...\$3.50
 Balconies 30 inches wide, 5 feet long Price per lineal foot...\$4.50
 Balconies 30 inches wide, 10 feet long Price per lineal foot...\$4.00
 Balconies 36 inches wide, 5 feet long Price per lineal foot...\$5.00
 Balconies 36 inches wide, 10 feet long Price per lineal foot...\$4.50

Above prices include Steel Slat Floors, Railing, as shown, and Brackets to support Balconies.

Ladders, 18 inches wide, any length, price per foot...\$1.00

The five-foot Balconies are intended for single windows, and the ladder is placed at one end, out from the wall, the same as in cut, with one window off.

In ordering always give height from sill to sill so we can estimate length of ladder, and state thickness of wall.



No. 400-C-FIRE ESCAPE.

Balconies 24 inches wide, 5 feet long Price per lineal foot...\$4.50
 Balconies 24 inches wide, 10 feet long Price per lineal foot...\$4.00
 Balconies 30 inches wide, 5 feet long Price per lineal foot...\$5.00
 Balconies 30 inches wide, 10 feet long Price per lineal foot...\$4.50
 Balconies 36 inches wide, 5 feet long Price per lineal foot...\$5.50
 Balconies 36 inches wide, 10 feet long Price per lineal foot...\$5.00

Above prices include Steel Slat Floors, Railing, as shown, and Brackets to support Balconies.

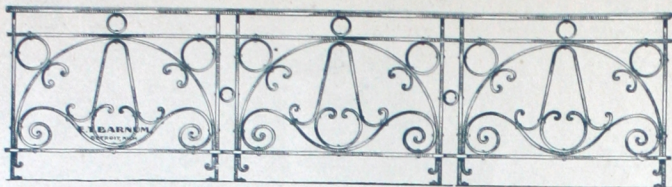
Stairs, with 5 inch treads and hand rail, price per foot...\$2.00

The five-foot Balconies are intended for single windows, and the stair is placed at one end, out from the wall.

In ordering always give height from sill to sill so we can estimate length of ladder, and state thickness of wall.

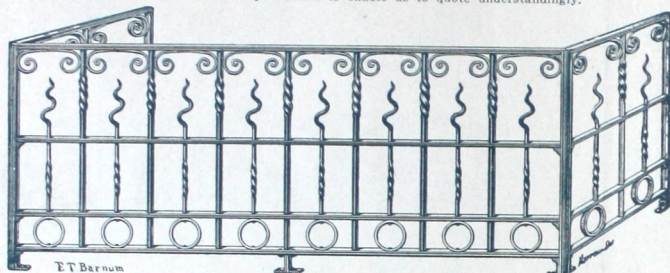
Brackets are usually placed about 5 feet apart.

BALCONY RAILINGS.



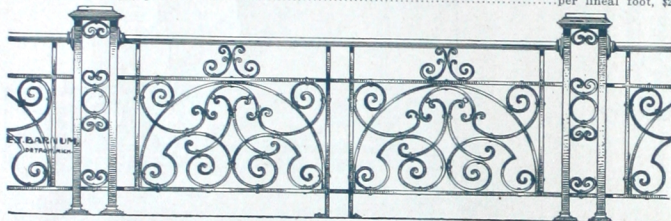
No. 57-WROUGHT STEEL BALCONY RAILING.

Price per lineal foot, 33 inches high..... \$2.50
 Can be made any height. Send us particulars to enable us to quote understandingly.



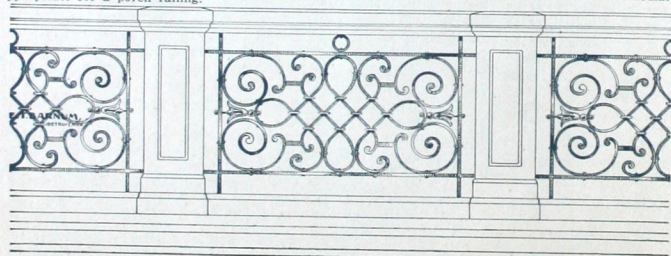
No. 42-B-WROUGHT STEEL BALCONY RAILING.

Made 30 inches high, painted.....per lineal foot, \$2.50



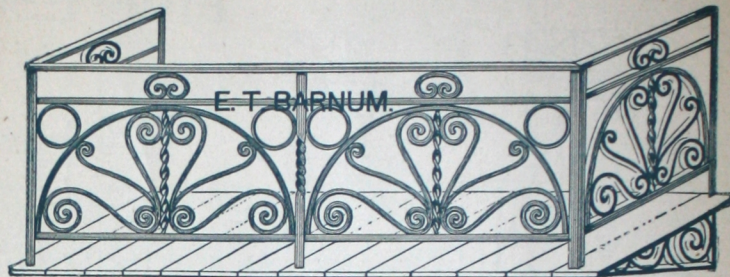
No. 58-WROUGHT STEEL BALCONY RAILING AND POSTS.

Price per lineal foot, 33 inches high..... \$2.75
 Any other designs of posts can be used with this railing and height can be made to suit. Particularly appropriate for a porch railing.



No. 59-WROUGHT STEEL RAILING WITH STONE OR MARBLE POSTS.

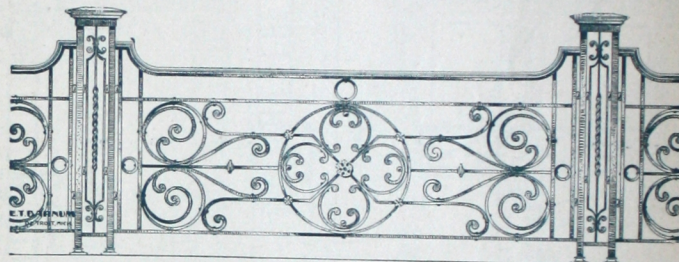
This design is particularly adapted for massive stone steps and landing; the grilles are intended for the openings between posts. Prices quoted on application.



No. 52-WROUGHT STEEL BALCONY RAILING.

Made 30 inches high, painted.....per lineal foot, \$2.50

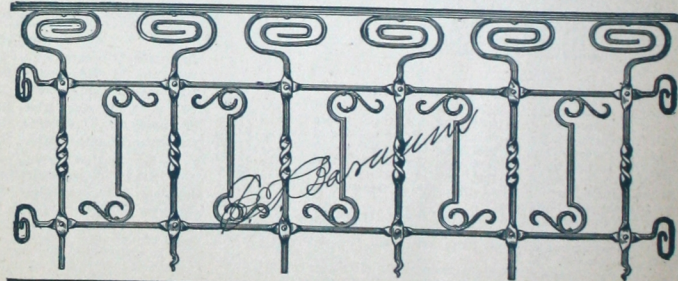
These are new designs, and very substantial and ornamental. They are made entirely of steel, all hand forged, and add to the appearance and value of any building.
 They can be made other heights, if desired, at proportionate prices. The above prices do not include the floor, which is of wood, and furnished by parties ordering. Can furnish iron or steel floors for the balconies, if desired, and will quote prices upon application. Any size made to order. In ordering or writing for estimates, specify the number of balconies wanted, and the length and width of them. Correspondence solicited from parties interested. We HAVE NUMEROUS OTHER DESIGNS OF RAILINGS.



No. 60-WROUGHT STEEL BALCONY RAILING AND POSTS.

Price per lineal foot, 33 inches high..... \$4.00

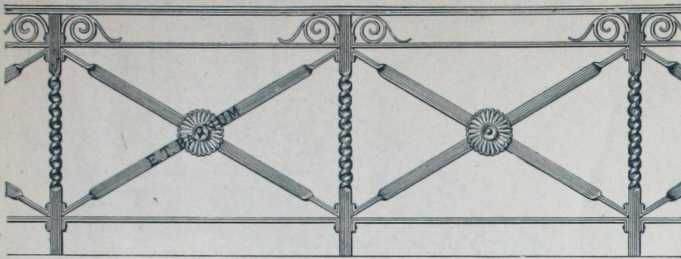
All hand wrought work of this character can be altered to suit the taste of purchaser. The designs shown are merely in the way of suggestions, and any conceivable design can be executed.



No. 51 1/2-WROUGHT STEEL BALCONY RAILING.

Made 30 inches high, painted.....per lineal foot, \$2.25
 These railings are made in panels of convenient size for handling and shipping. Get our prices before placing your order.

BALCONY RAILINGS.

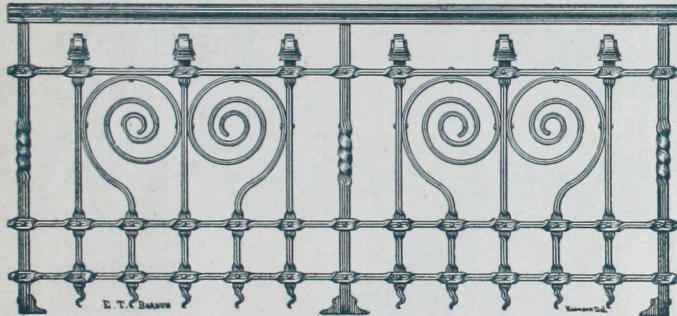


No. 50 1/2-WROUGHT STEEL RAILING.
For Balconies, Verandas, Piazzas or Galleries.

Made 30 inches high, painted.....per lineal foot, \$2.00

The railing is constructed of steel, entirely hand forged and makes an artistic appearance when in position. It can be made in other heights at proportionate prices. The work is made in panels of convenient size for handling and shipping.

Write for prices before placing your order. Correspondence solicited from persons interested.

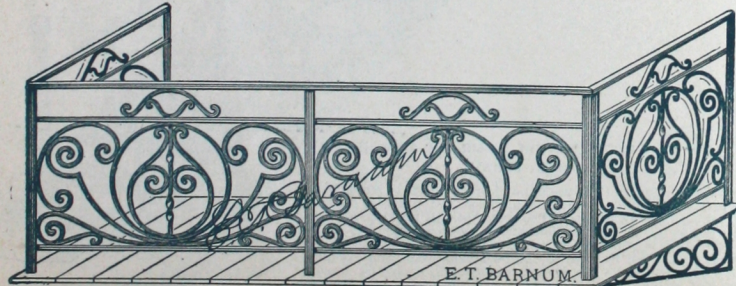


No. 45 1/2-WROUGHT STEEL BALCONY RAILING.

Made 30 inches high, painted.....per lineal foot, \$2.50

For pages of Brackets see pages 7 and 8.

A design of Wrought Steel, adapted for various purposes where a strong but light and ornamental railing is required. Is used for HOTEL PIAZZAS, PORCHES, GALLERIES, BALCONIES, and private residences. It is made in panels of suitable length for convenience in shipping and putting up. Can be made other heights if desired. Correspondence solicited from Architects, Builders, Contractors and others contemplating purchasing work in our line.



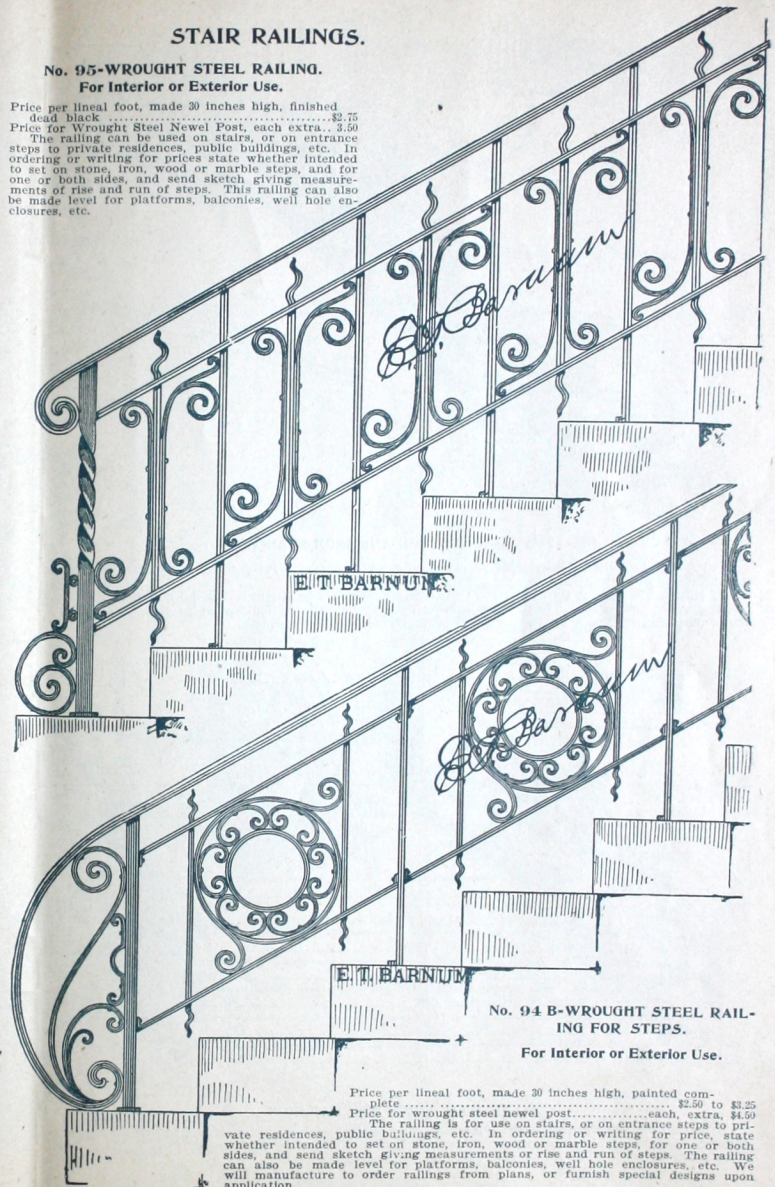
No. 53-NEW WROUGHT STEEL BALCONY RAILING.

Made 30 inches high, painted.....per lineal foot, \$2.75

STAIR RAILINGS.

No. 95-WROUGHT STEEL RAILING.
For Interior or Exterior Use.

Price per lineal foot, made 30 inches high, finished
dead black\$2.75
Price for Wrought Steel Newel Post, each extra, 3.50
The railing can be used on stairs, or on entrance
steps to private residences, public buildings, etc. In
ordering or writing for prices state whether intended
to set on stone, iron, wood or marble steps, and for
one or both sides, and send sketch giving measure-
ments of rise and run of steps. This railing can also
be made level for platforms, balconies, well hole en-
closures, etc.

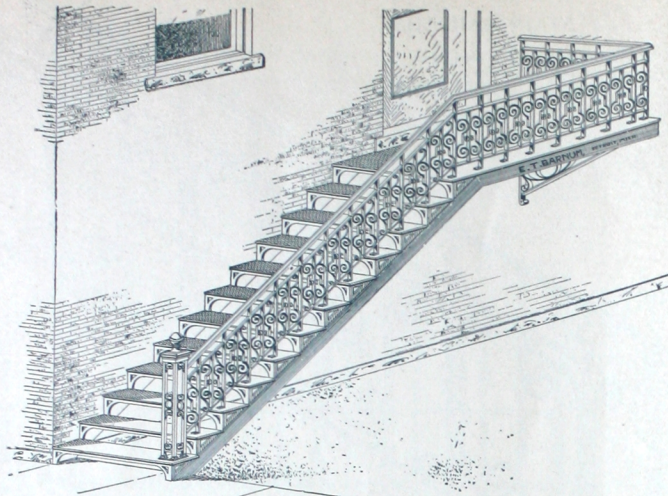


No. 94 B-WROUGHT STEEL RAIL-
ING FOR STEPS.

For Interior or Exterior Use.

Price per lineal foot, made 30 inches high, painted com-
plete\$2.30 to \$3.25
Price for wrought steel newel post.....each, extra, \$4.50

The railing is for use on stairs, or on entrance steps to pri-
vate residences, public buildings, etc. In ordering or writing for price, state
whether intended to set on stone, iron, wood or marble steps, for one or both
sides, and send sketch giving measurements or rise and run of steps. The railing
can also be made level for platforms, balconies, well hole enclosures, etc. We
will manufacture to order railings from plans, or furnish special designs upon
application.

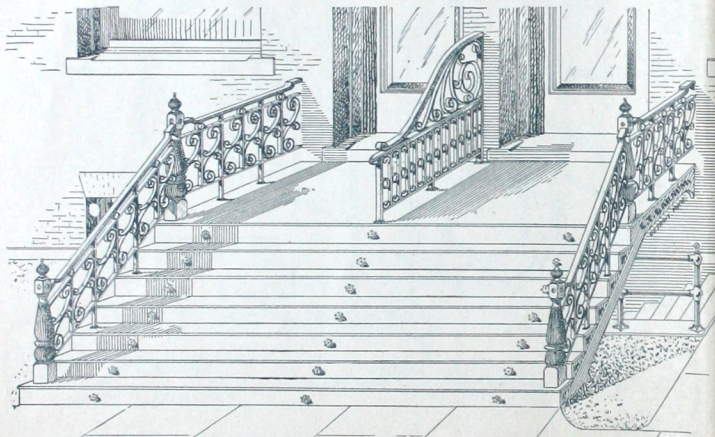


No. 17-WROUGHT STEEL AND IRON STAIRWAY.

Particularly adapted for exterior purposes, and while comparatively inexpensive, is very substantial and durable and an ornament to any modern building.

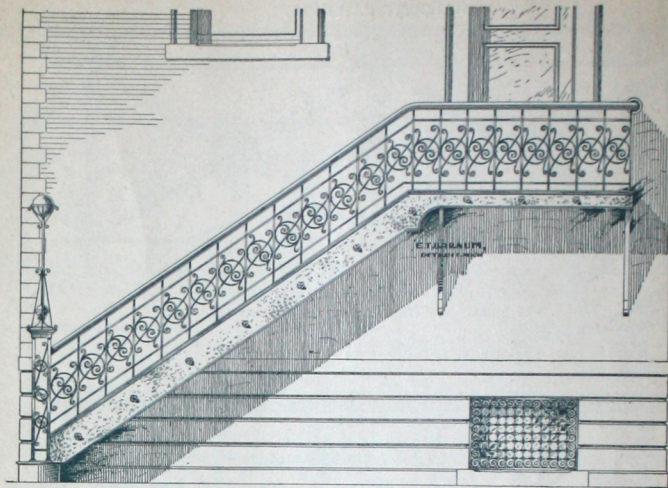
A different design of Railing, Newel Post, Riser, Bracket or Stringer can be substituted.

In writing for prices, it is to your interest to give us full particulars as to rise, run, width, size of platform, etc., to enable us to quote promptly and understandingly.



No. 19-IRON STEPS AND RAILINGS.

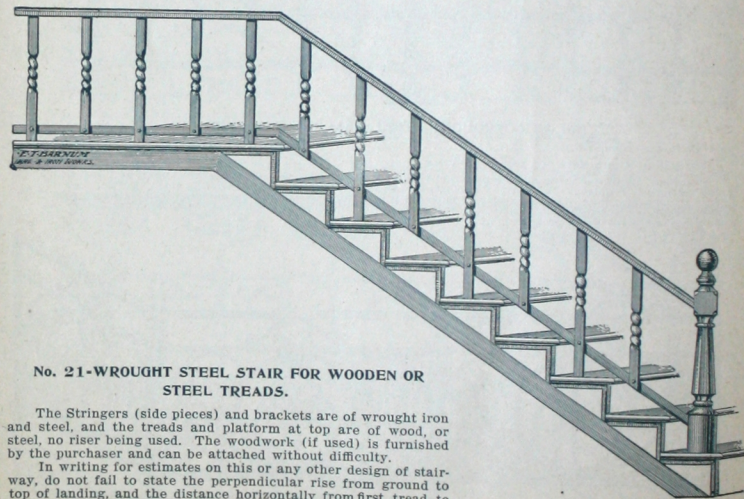
Intended for Double Residences, Flats, etc. The general design can be altered to suit purchaser. Different designs of Newels, Railings, Risers, Stringers, etc., can be substituted. The Railings and Newels can be made to go on wood or stone steps, if desired.



No. 18-WROUGHT STEEL AND IRON STAIRWAY.

A very attractive design, modern in every respect. This design is constructed entirely of wrought steel. We use cold rolled diamond checkered steel plate or cast plates with diamond checkered surface for treads and platform, on account of durability and non-slippery surface. The electric lamp can be omitted from Newel if desired, or various other styles can be substituted.

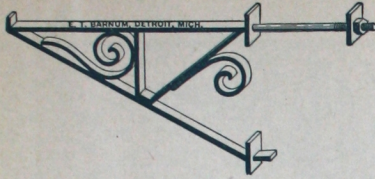
Please give full particulars when writing for prices.



No. 21-WROUGHT STEEL STAIR FOR WOODEN OR STEEL TREADS.

The Stringers (side pieces) and brackets are of wrought iron and steel, and the treads and platform at top are of wood, or steel, no riser being used. The woodwork (if used) is furnished by the purchaser and can be attached without difficulty.

In writing for estimates on this or any other design of stairway, do not fail to state the perpendicular rise from ground to top of landing, and the distance horizontally from first tread to face of landing. Also state what width of stairs is wanted and size of landing. A full explanation of what is required is essential when a close estimate is desired.

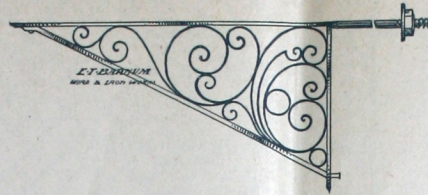


No. 3 1/2-WROUGHT STEEL BRACKET.

CAN BE MADE ANY OTHER SIZE.

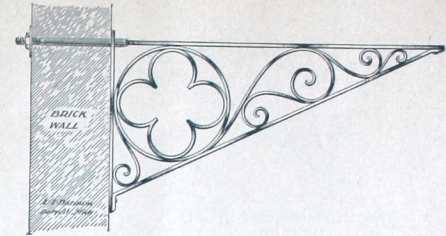
24 inch Bracket.....	each, \$5.00
30 inch Bracket.....	each, 5.75
36 inch Bracket.....	each, 6.50

Made with shank to extend through wall, and secured with nut and washer on the inside, as shown, for supporting balconies and stairs.



No. 9-WROUGHT STEEL BRACKET.

For 30 inch platform, each.....	\$13.00
" 36 inch platform, each.....	16.00



No. 5 1/2-B-ORNAMENTAL WROUGHT STEEL BRACKET.

MADE ANY SIZE.

For supporting Balconies or Iron Stairs.
36 inches long.....each, \$7.50
Made with bolt to go through wall, with nut and washer on the inside, as shown above.

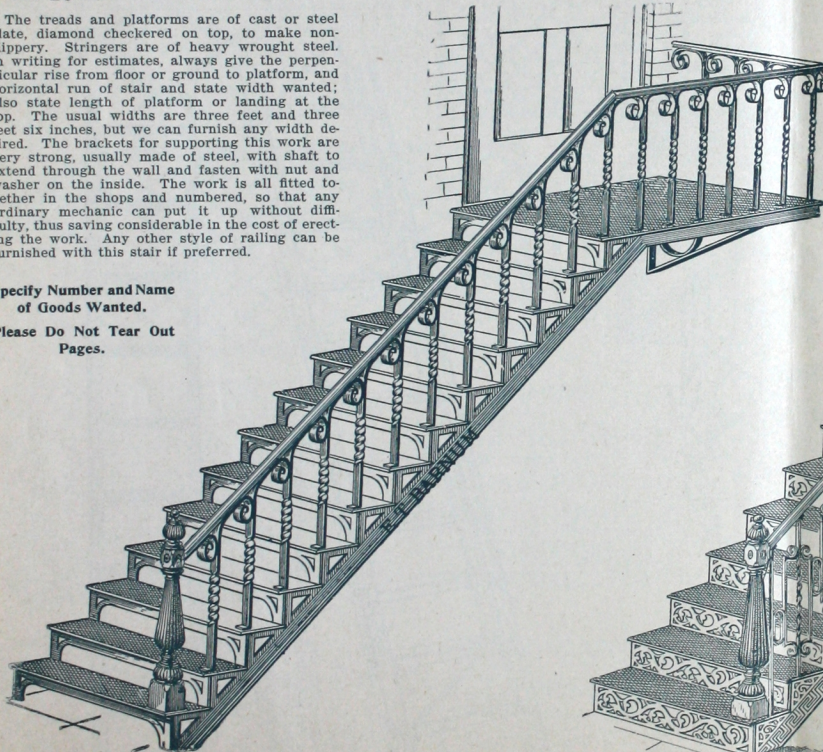
When ordering Brackets give thickness of wall.

No. 10-IRON AND STEEL STAIRS.

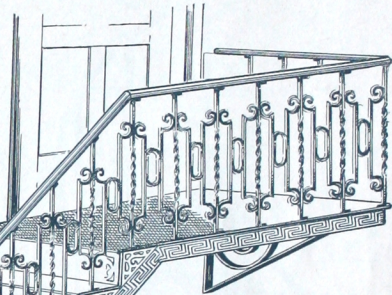
The treads and platforms are of cast or steel plate, diamond checkered on top, to make non-slippery. Stringers are of heavy wrought steel. In writing for estimates, always give the perpendicular rise from floor or ground to platform, and horizontal run of stair and state width wanted; also state length of platform or landing at the top. The usual widths are three feet and three feet six inches, but we can furnish any width desired. The brackets for supporting this work are very strong, usually made of steel, with shaft to extend through the wall and fasten with nut and washer on the inside. The work is all fitted together in the shops and numbered, so that any ordinary mechanic can put it up without difficulty, thus saving considerable in the cost of erecting the work. Any other style of railing can be furnished with this stair if preferred.

Specify Number and Name
of Goods Wanted.

Please Do Not Tear Out
Pages.



No. 10-STAIRS.

No. 22-
ORNAMENTAL STEEL AND
IRON STAIRS.

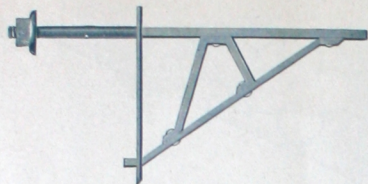
The treads and platform are of cast or steel plate, diamond checkered on top to make them non-slippery. Stringers are of heavy wrought steel bars. In ordering or writing for estimates, always give the RISE and RUN of stair. Specify the WIDTH preferred, and the LENGTH of PLATFORM or LANDING at the top.

Stairs are usually made 3 ft. or 3 ft. 6 in. wide, but we can furnish any width desired. The brackets for supporting the stairs are of steel with shaft to extend through the wall and fasten with nut and washer on the inside. The stairs are all fitted together in the shop, and each part is numbered, so that any ordinary mechanic can put the work up without difficulty at a considerable saving in the cost of erecting it.

Any other style of railing can be furnished with the stair, if desired. Send particulars and measurements for prices.

Correspondence solicited.

We Make a Specialty of Iron Stairs, both for Interior and Exterior Use.

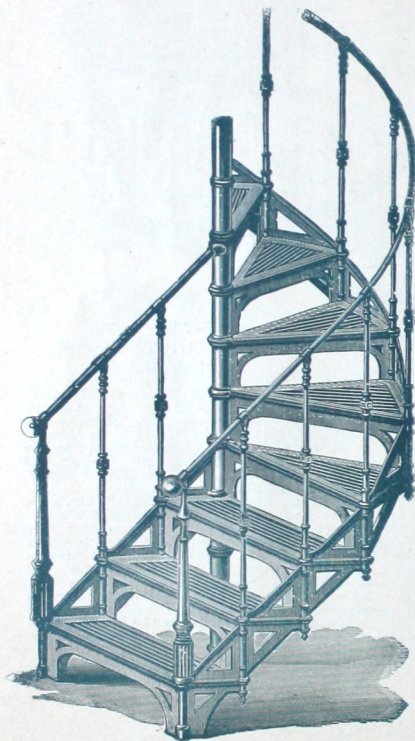


No. 2 1/2-WROUGHT STEEL
BRACKET.

MADE ANY SIZE.

For Balcony, 24 inch wide, each, \$4.00
For Balcony, 30 inch wide, each, 4.50
For Balcony, 36 inch wide, each, 5.00

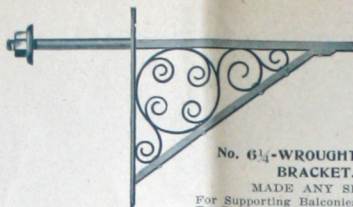
A plain, strong, wrought steel bracket, made with heavy bolt to go through the wall, with nut and washer on inside.



No. 4 1/2-PLAIN CIRCULAR IRON STAIRS.

WITH WROUGHT IRON HAND RAIL.

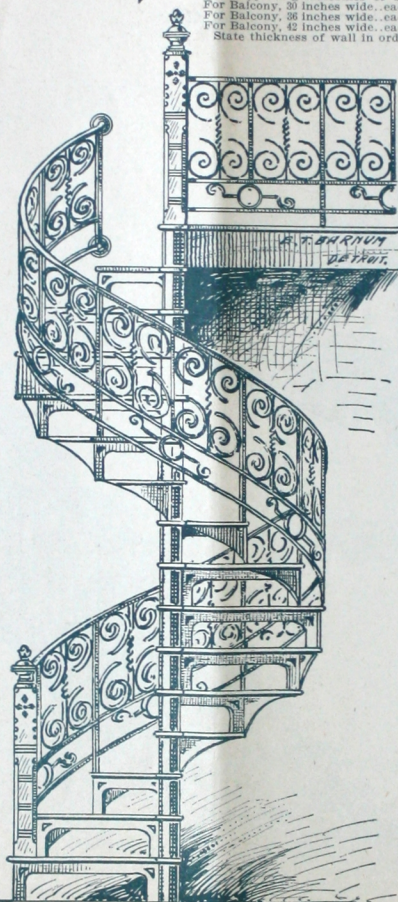
Made with straight starting steps and half risers. Solid paneled or perforated risers can be used. In writing for estimate give rise from floor to floor and diameter of stairs. Usual diameter is 5 1/2 feet. Made any diameter above 4 1/2 feet. Other styles and sizes made, and circular sent upon application.



No. 6 1/4-WROUGHT STEEL
BRACKET.

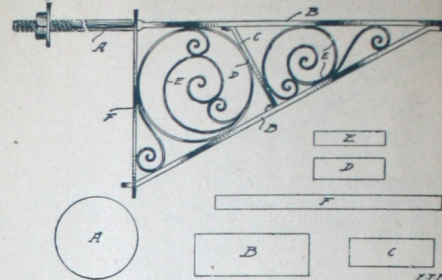
MADE ANY SIZE.

For Supporting Balconies or Stairs.
For Balcony, 30 inches wide, each, \$6.00
For Balcony, 36 inches wide, each, 6.50
For Balcony, 42 inches wide, each, 7.00
State thickness of wall in ordering.



No. 20-CIRCULAR STAIRS.
WITH WROUGHT STEEL ORNAMENTAL BALUSTRADE.

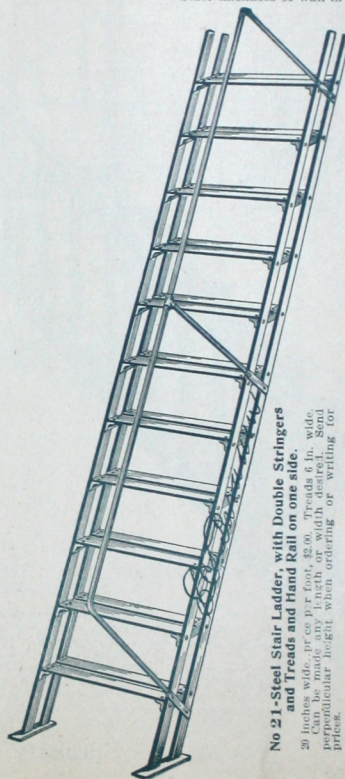
Made any diameter from 4 feet 6 in. upwards. Solid paneled or perforated risers can be used. In writing for estimate give rise from floor to floor and diameter of stairs. Other styles and sizes made, and circular sent upon application.



No. 8-WROUGHT STEEL BRACKET.

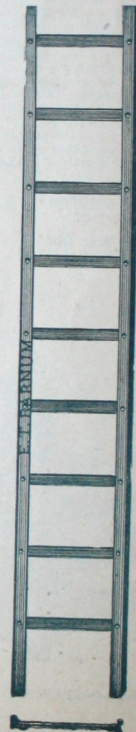
For supporting stairs or balconies.
For balcony 30 in. wide, each, \$7.00
For balcony 36 in. wide, each, 7.50
For balcony 42 in. wide, each, 8.00
State thickness of wall in ordering. Made any size.

Sections of Material
About one-half actual size.



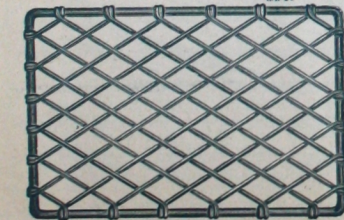
No. 21-Steel Stair Ladder, with Double Stringers
and Treads and Hand Rail on one side.

20 inches wide, price per foot, \$2.00. Treads 6 in. wide. Solid paneled or perforated risers can be used. In writing for estimate give rise from floor to floor and diameter of stairs. Other styles and sizes made, and circular sent upon application.



No. 20 1/2-STEEL LADDER.

Made 18 inches wide, price per foot, \$1.00. Solid paneled or perforated risers can be used. In writing for estimate give rise from floor to floor and diameter of stairs. Other styles and sizes made, and circular sent upon application.

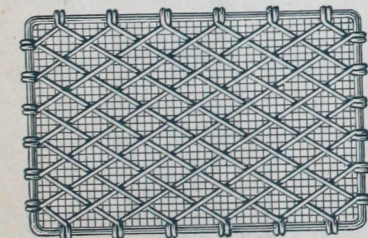


No. 5-B-Wire Window Guard.

For windows of Business Places, Residences, Schools, etc., intended to cover the entire window.

Price List of Nos. 1-B, 3-B, 5-B and 6 Window Guards.

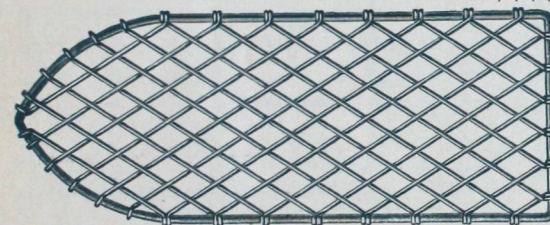
	Per sq. ft.
3/4 inch mesh, No. 15 wire...	32c
1 inch mesh, No. 14 wire...	32c
1 1/4 inch mesh, No. 13 wire...	32c
1 1/2 inch mesh, No. 12 wire...	32c
1 3/4 inch mesh, No. 11 wire...	32c
2 inch mesh, No. 10 wire...	32c
2 1/4 inch mesh, No. 9 wire...	32c
2 1/2 inch mesh, No. 8 wire...	32c
2 3/4 inch mesh, No. 7 wire...	32c
3 inch mesh, No. 6 wire...	32c
3 1/4 inch mesh, No. 5 1/2-C and 6 wire...	32c
3 1/2 inch mesh, No. 5-B frame and fastened to the casing with wire staples.	32c
Guards containing less than 5 sq. ft. will be figured as 5 sq. ft.	



No. 5-C-Wire Guard, lined with Fine Wire Cloth.

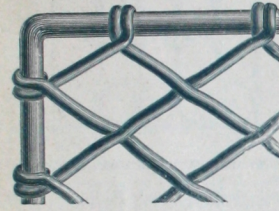
WITH DESIGN NO. 20 ROUND FRAME.

	Per sq. ft.
3/4 inch mesh, No. 11 wire...	27c
1 inch mesh, No. 10 wire...	27c
1 1/4 inch mesh, No. 9 wire...	27c
1 1/2 inch mesh, No. 8 wire...	27c
1 3/4 inch mesh, No. 7 wire...	27c
2 inch mesh, No. 6 wire...	27c
2 1/4 inch mesh, No. 5 1/2-C and 6 wire...	27c
2 1/2 inch mesh, No. 5-B frame and fastened to the casing with wire staples.	27c
Guards containing less than 5 sq. ft. will be figured as 5 sq. ft.	



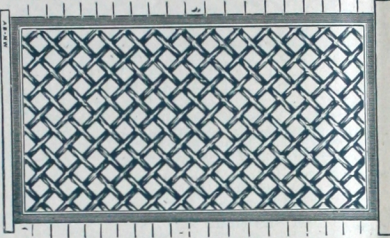
No. 1-B-Crimped Window Guard.

With Gothic top for Churches and Asylums.



No. 20-Style of Frame.

Cut shows method of making crimped wire window guards with round iron frame cut to 1 inch. These guards are usually made with diameter frames 2-5/8 inch in size. State size of guards, kind of material, and whether or not measurement is hoght and give full particulars in ordering or writing for prices, to avoid mistakes and delays.



No. 8-B-Extra Heavy Prison or Asylum Guard.

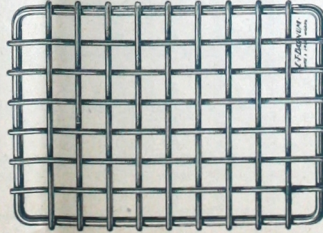
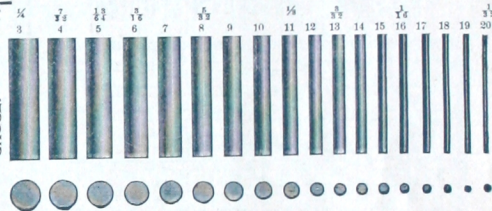
With a strong Channel Steel Frame to set into a jamb and fasten with screws. (See cut No. 21 for frame and how it is made.)

	Per sq. ft.
1 inch mesh, No. 3 wire...	60c
1 1/4 inch mesh, No. 4 wire...	60c
1 1/2 inch mesh, No. 5 wire...	60c
1 3/4 inch mesh, No. 6 wire...	60c
2 inch mesh, No. 7 wire...	60c
2 1/4 inch mesh, No. 8 wire...	60c
2 1/2 inch mesh, No. 9 wire...	60c
2 3/4 inch mesh, No. 10 wire...	60c
3 inch mesh, No. 11 wire...	60c
Guards containing less than 5 sq. ft. will be figured as 5 sq. ft.	

No. 21-Style of Frame.

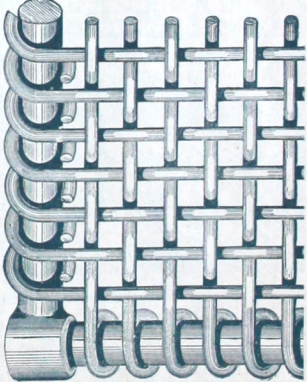
Cut showing method of making Nos. 4-B, 5-B and 6 window guards with a channel iron frame, and how the wire is secured.

SIZES OF WIRE BY STANDARD WIRE GAUGE.



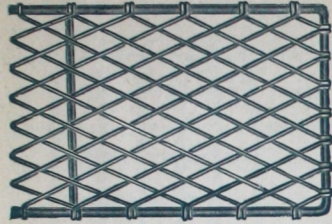
No. 6-Wire Window Guard.

With No. 20 style of frame for prices see No. 5-B Window Guard, above.



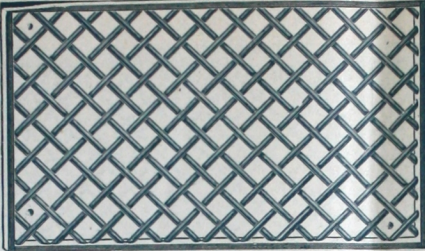
No. 114-Heavy Steel Wire Prison Window Guard. Actual Size Wire, Mesh and Frame.

Cut shows 3x3 mesh, No. 12 wire, 3/4-in. round frame. Price, per square foot... 80c. The purpose of this fine mesh guard is to prevent anyone on the outside from passing tools, weapons, etc., to the prisoners. Guards can be secured to casing with large staples or bolt through the casing, or can be attached to the steel bar guards with which jails are generally provided. Give size when writing for prices. Guards containing less than 5 sq. ft. will be figured as 5 sq. ft.



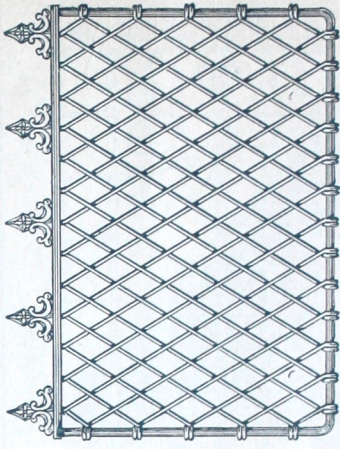
No. 3-B-Wire Window Guard.

Showing a finished or scroll top, suitable for store windows, doorways, etc. The wire covers entire window. For prices see No. 5-B Window Guard.



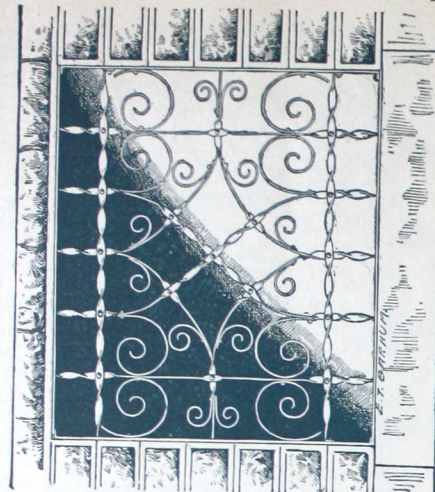
No. 9-B-Prison or Asylum Guard.

	Per sq. ft.
1 1/4 inch mesh, No. 10 wire...	45c
1 1/2 inch mesh, No. 9 wire...	45c
1 3/4 inch mesh, No. 8 wire...	45c
2 inch mesh, No. 7 wire...	45c
2 1/4 inch mesh, No. 6 wire...	45c
2 1/2 inch mesh, No. 5 wire...	45c
2 3/4 inch mesh, No. 4 wire...	45c
3 inch mesh, No. 3 wire...	45c
Guards containing less than 5 sq. ft. will be figured as 5 sq. ft.	

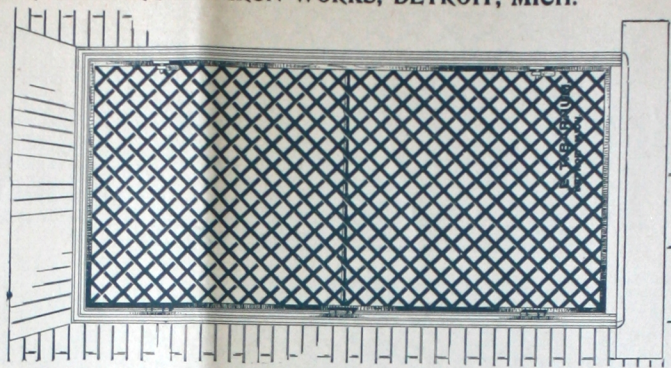


No. 20 1/2-Wire Guard, with PICKET TOP.

	Per square foot, 40c
1 1/4 inch mesh, No. 10 wire...	40c
1 1/2 inch mesh, No. 9 wire...	40c
1 3/4 inch mesh, No. 8 wire...	40c
2 inch mesh, No. 7 wire...	40c
2 1/4 inch mesh, No. 6 wire...	40c
2 1/2 inch mesh, No. 5 wire...	40c
2 3/4 inch mesh, No. 4 wire...	40c
3 inch mesh, No. 3 wire...	40c
Guards containing less than 5 sq. ft. will be figured as 5 sq. ft.	



No. 116-STEEL WINDOW GRILLE.
Price per square foot.....\$1.50 to \$2.00



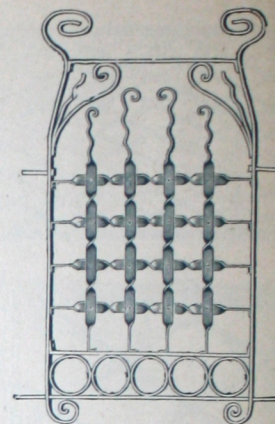
No. 119-HEAVY CRIMPED WINDOW GUARD.

Suitable for Asylums, Store Windows, etc. Usually made of 2-inch mesh. No. 8 crimped steel wire, secured into channel steel frame. Usually we place 3 butt hinges on one side and 2 strong hasps and staples on opposite side, as shown in illustration.

Price, per square foot.....50c

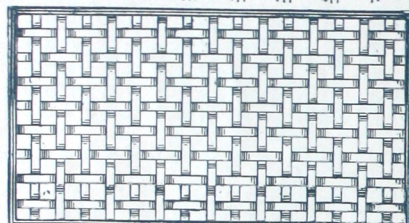
Padlocks not included.

Other sizes of meshes and wire in proportion.
When writing for prices, please state size and how many guards are desired.
We will quote special price on large orders.

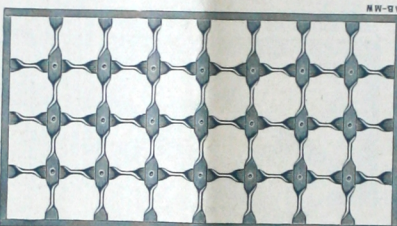


No. 142-Wrought Steel Grille.

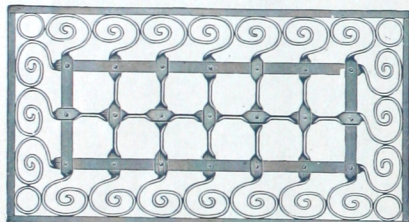
Especially adapted for prominent basement windows. Can be made any size or shape or finish. Prices quoted on receipt of sizes.



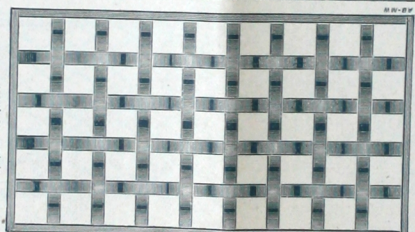
No. 44-Flat Crimped Steel Window Guard.
Price, according to size and quantity ordered.
Send Sizes and Write for Prices.



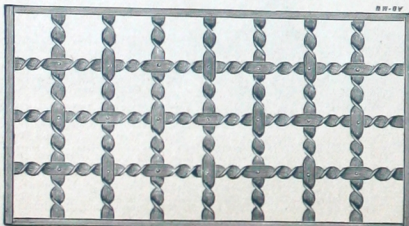
No. 41-Quarter Twist Flat Steel Window Guard.
Price, according to size and quantity ordered.



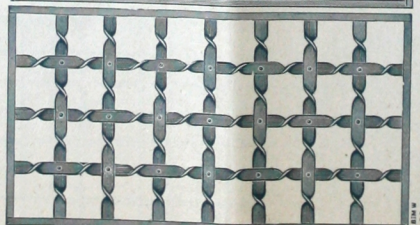
No. 42-Ornamental Scroll Border Wrought Steel Window Guard.
Price, per sq. foot, according to size, \$1.10 to \$1.50.



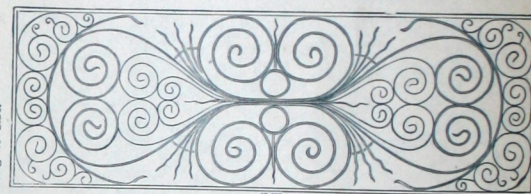
No. 43-Flat Crimped Steel Window Guard.
Price, per sq. foot, according to size and quantity ordered.



No. 45-Flat Twisted Steel Window Guard.
Price, 70c to \$1.30 per sq. foot, according to size and quantity ordered.

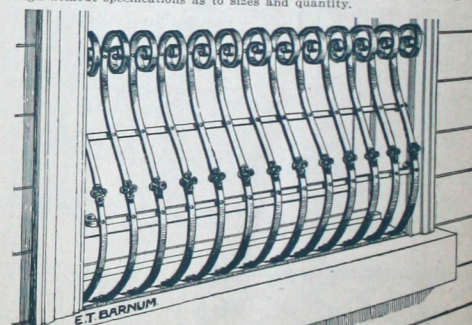


No. 40-Half Twist Flat Steel Window Guard.
Price, per sq. foot, 70c to \$1.25, according to size, etc.



No. 141-WROUGHT STEEL GRILLE.

We are unable to quote satisfactory prices on Grilles of this or similar design without specifications as to sizes and quantity.



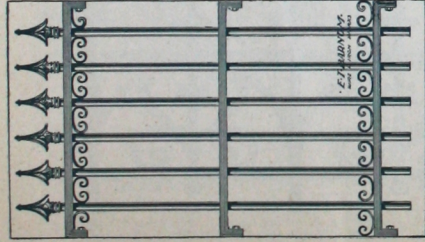
No. 118-1/2-WROUGHT STEEL WINDOW GUARD.

Price, 36 inches high, per lineal foot.....\$2.50
Price, 48 inches high, per lineal foot.....4.00

Usually finished in dead black.

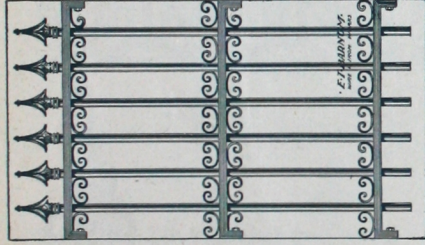
These massive designs are designed for protecting windows in large bank and office buildings. They are particularly adapted where the window sill is low, and effectually prevent the habitual loafers from utilizing the sill for a lounging place.

Send sketch of casing, width and full particulars when writing for prices.



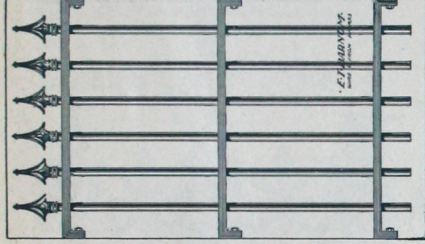
No. 37-Steel Window Guard.

1/2 inch iron. Price per sq. ft. \$.80
 3/4 inch iron. Price per sq. ft. 1.00
 1 inch iron. Price per sq. ft. 1.20
 Can be made with top or turned down
 to fasten to casing or any way cus-
 tomer prefers.



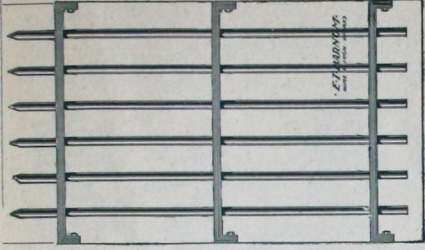
No. 38-Steel Window Guard.

1/2 in. round iron uprights, per sq. ft. 1.00
 3/4 in. round iron uprights, per sq. ft. 1.20
 1 in. round iron uprights, per sq. ft. 1.40



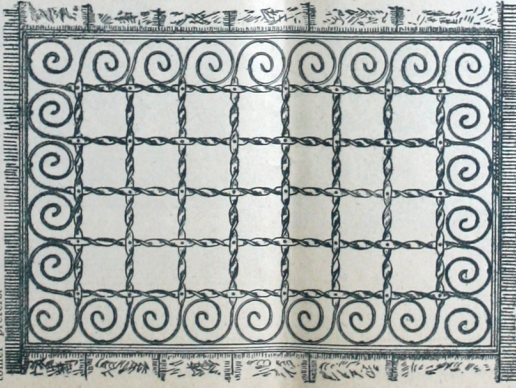
No. 36-Wrought Steel Window Guard.

Made with 1/2 in. in round steel pickets. 80
 Made with 3/4 in. in round steel pickets. 100
 Made with 1 in. in round steel pickets. 160
 Improved and changed a trifle. Give
 exact size of opening and state how
 you want the guards to fasten.



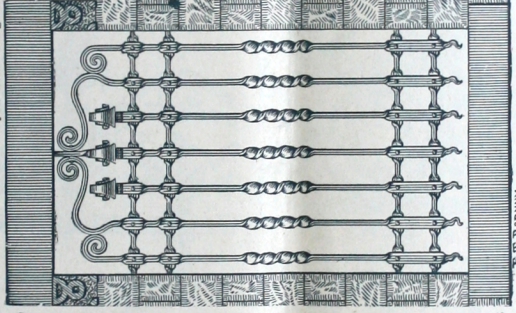
No. 35-Plain Wrought Iron Window Guard.

With 1/2 inch round iron pickets.... per sq. ft. 80c
 With 3/4 inch round iron pickets.... per sq. ft. 70c
 With 1 inch round iron pickets.... per sq. ft. 90c
 Intended for four windows or for
 plain. Can be made in any size or
 shape desired.



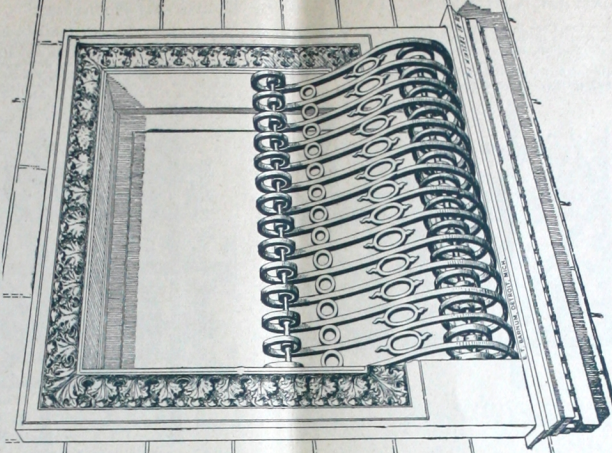
No. 14-Wrought Steel Window Guard.

Price \$1.25 to \$2.50 per square foot, according to
 size of either 2, 3 or 4 inch mesh, and made of flat steel
 mesh desired.



No. 13-Wrought Iron Window Guard.

Price \$1.50 to \$2.50 per sq. foot, according
 to size and quantity. Made of flat bar steel
 twisted at intersections.



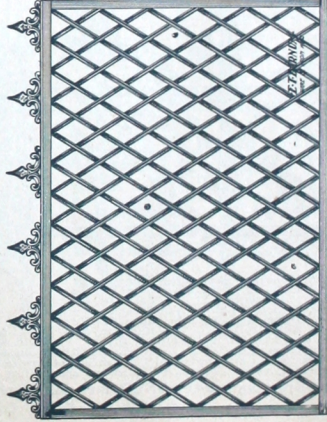
No. 11 1/2-HEAVY WROUGHT STEEL WINDOW GUARD.

Price, about 26 in. high, per lineal foot..... \$6.00
 Price, about 48 in. high, per lineal foot..... 7.00

Usually finished in dead black.

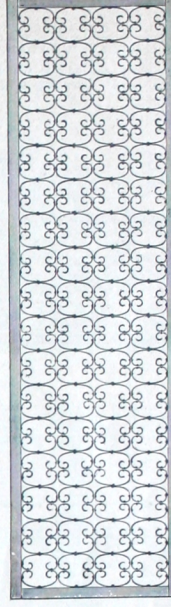
These massive designs are designed for protecting windows in large
 bank and office buildings. They are particularly adapted where the win-
 dows are on the ground floor, and they prevent the habitual looters from utilizing
 the sill for a lounging place.

Send sketch of casing, width, and full particulars when writing for
 prices.



No. 27-WIRE GUARD, WITH PICKET TOP.

1 1/2 inch mesh, No. 12 wire..... per square foot, 90c
 2 inch mesh, No. 10 wire..... per square foot, 80c
 2 1/2 inch mesh, No. 8 wire..... per square foot, 60c
 Can be made on all sides, or on two sides, or on one side, or on
 partitions, and for large or small windows, elevators, etc.
 Guards containing less than 5 sq. ft. will be figured as 5
 sq. ft.



No. 143-WROUGHT GRILLE.

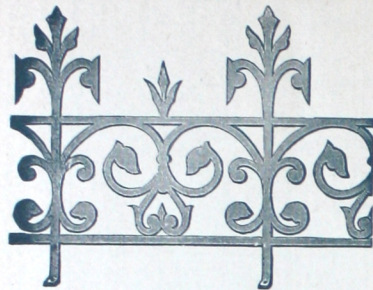
Can be made of steel or brass and is suitable for either interior or
 exterior purposes. The design is a popular one, owing to its durability
 and pleasing appearance.

DIRECTIONS FOR PUTTING UP CRESTING.

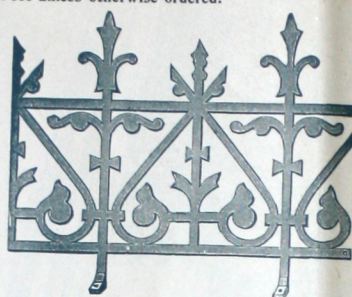
Make a diagram of the roof, allowing about three inches for the Cresting to set in from edge, and mark all the measurements plainly upon the diagram. If a plan of the roof is forwarded giving the measurements where the Cresting is to set, it will be cut, fitted and painted, ready to put up, if so ordered. A final should be used at EACH corner or angle.

For ridge roofs, the charge will be 15 cents per lineal foot, extra, net, if the feet are beveled to fit the ridge.

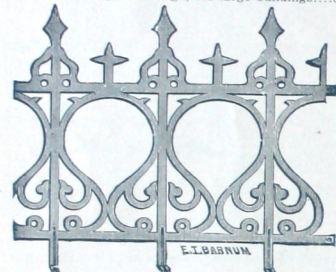
All Cresting will be made with Flat Feet unless otherwise ordered.



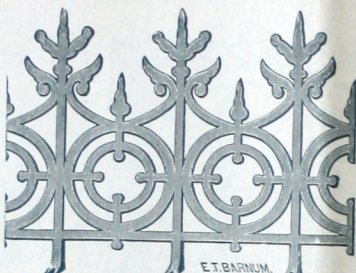
Per Lineal Foot.
No. 14—Cresting, 16 in. high, for bay windows.....40c
No. 14—Cresting, 21 in. high, for small buildings.....45c
No. 14—Cresting, 24 in. high, for 2-story buildings.....50c
No. 14—Cresting, 30 in. high, for large buildings.....60c



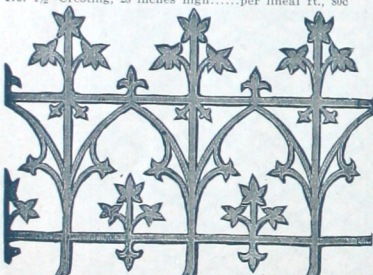
No. 24—Cresting, 18 inches high.....per lineal ft., 50c
No. 24—Cresting, 24 inches high.....per lineal ft., 55c



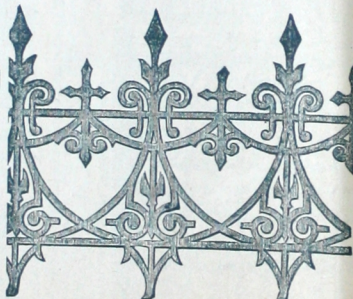
No. 42—Cresting, 21 inches high.....per lineal ft., 50c
No. 42—Cresting, 28 inches high.....per lineal ft., 80c



No. 5—Cresting, 22 inches high.....per lineal ft., 60c
No. 5—Cresting, 24 inches high.....per lineal ft., 65c



No. 74—Cresting, 15 inches high.....per lineal ft., 40c
No. 74—Cresting, 18 inches high.....per lineal ft., 45c
No. 74—Cresting, 21 inches high.....per lineal ft., 50c
No. 74—Cresting, 24 inches high.....per lineal ft., 60c
No. 74—Cresting, 30 inches high.....per lineal ft., 70c
No. 74—Cresting, 35 inches high.....per lineal ft., 80c



No. 6—Cresting, 18 inches high.....per lineal ft., 50c
No. 6—Cresting, 24 inches high.....per lineal ft., 60c
No. 6—Cresting, 30 inches high.....per lineal ft., 70c

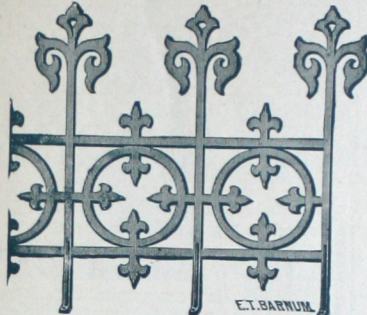
All our Cresting is made with flat feet unless otherwise ordered. Nos. 1, 19, 21 1/2 and other Finales go with this and other styles of Cresting. We secure special through rates of freight to all parts of the country.

All our Cast Cresting is JAPANNED, and not simply dipped or painted in the usual way.

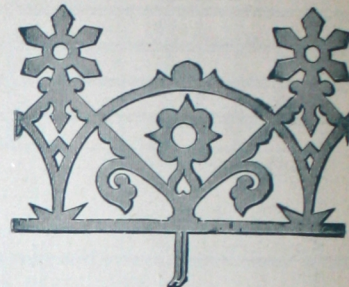
Don't buy "painted" Cresting when you can have the genuine "Japan" finish at same or less price.

DIRECTIONS—CONTINUED:

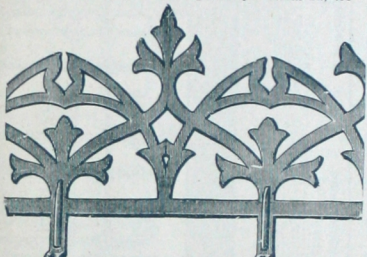
Put blocks, 3 inches square and 1 inch thick, every 2 or 3 feet, and have them tinned over to prevent roof leaking; then nail on top of them strips 3 inches wide, 1 inch thick, and set the Cresting on it. If there is a pitch to the roof, the blocks and strips can be beveled off, so as to make a level surface. For the ridge, a 3-inch beveled strip can be nailed down and the Cresting set on that; this is the way it is generally used; or the Cresting can be made with pitch feet, to go on either side of the ridge, costing 15 cents net per foot extra. All ridges should be finished off with the top strip flattened about 2 inches, then the ordinary Cresting can be used. SEND A DIAGRAM OR PLAN OF THE ROOF, and we will fit and Japan the Cresting before shipping, and number each cut section, so that anyone can easily set it in position, charging actual cost only. SCREWS AND BOLTS ARE FURNISHED AT COST AND SHIPPED WITH THE CAST CRESTING.



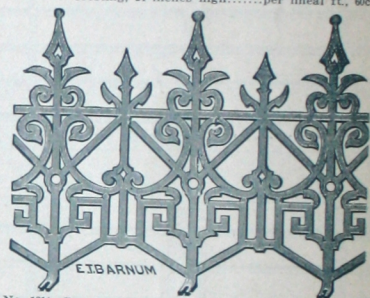
No. 9 1/2—Cresting, 10 inches high.....per lineal ft., 20c
No. 9 1/2—Cresting, 24 inches high.....per lineal ft., 60c
No. 9 1/2—Cresting, 30 inches high.....per lineal ft., 70c
No. 9 1/2—Cresting, 34 inches high.....per lineal ft., 75c



No. 11—Cresting, 15 inches high.....per lineal ft., 45c
No. 11—Cresting, 18 inches high.....per lineal ft., 50c
No. 11—Cresting, 24 inches high.....per lineal ft., 60c



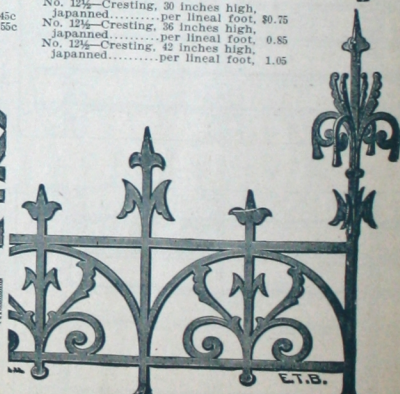
No. 11 1/2—Cresting, 15 inches high.....per lineal ft., 45c
No. 11 1/2—Cresting, 20 inches high.....per lineal ft., 55c



No. 12 1/2—Cresting, 30 inches high, japanned.....per lineal foot, \$0.75
No. 12 1/2—Cresting, 35 inches high, japanned.....per lineal foot, 0.85
No. 12 1/2—Cresting, 42 inches high, japanned.....per lineal foot, 1.05



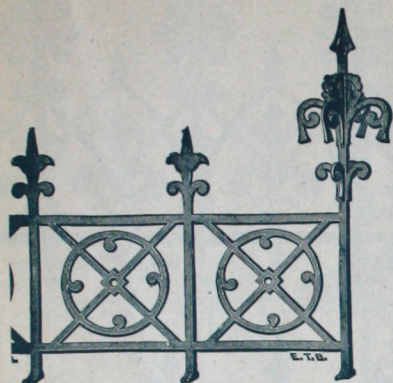
No. 16—Cresting, 10 inches high.....per lineal ft., 20c
No. 16—Cresting, 12 inches high.....per lineal ft., 25c
In ordering, always mention whether wanted for a ridge or level roof.
ALL PRICES ARE FOR CRESTING WITH FLAT FEET.



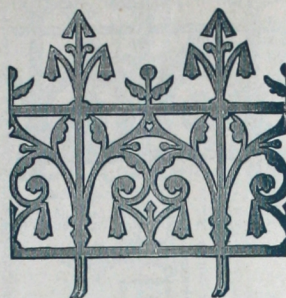
No. 19—Cresting, 24 inches high.....per lineal ft., 55c
No. 19—Final to match this style Cresting.....each, \$1.50

ROOF CRESTING.

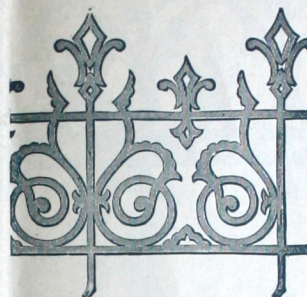
☐ Cresting can be set with feet in or out, according to size and shape of roof.
☐ Send diagram of roof and write for prices.
☐ Order by NUMBER only, and mention the height wanted. DO NOT CUT THE CATALOGUE, as the number is sufficient to designate the pattern wanted.
 Cresting makes a building look higher and gives it a more finished and attractive appearance than can be obtained in any other way, especially if Finials are used.



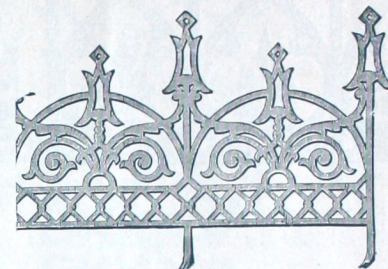
No. 21—Cresting, 24 in. high.....per lineal foot, 50c
 No. 21½—Finial, height to match any style of Cresting, each.....\$1.40



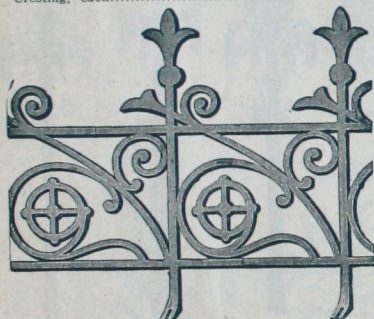
No. 31—Cresting, 18 in. high.....per lineal foot, 50c
 No. 31½—Cresting, 24 in. high.....per lineal foot, 65c
 No. 31¾—Cresting, 30 in. high.....per lineal foot, 70c



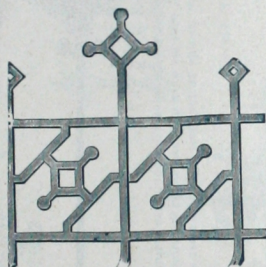
No. 34—Cresting, 22 in. high.....per lineal foot, 59c
 No. 34½—Cresting, 28 in. high.....per lineal foot, 69c
 No. 34¾—Cresting, 30 in. high.....per lineal foot, 70c



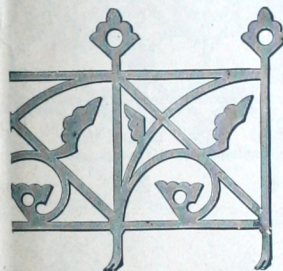
No. 35½—Cresting, 18 in. high.....per lineal foot, 50c
 No. 35¾—Cresting, 21 in. high.....per lineal foot, 55c
 No. 35¾—Cresting, 24 in. high.....per lineal foot, 60c
 No. 35¾—Cresting, 30 in. high.....per lineal foot, 70c



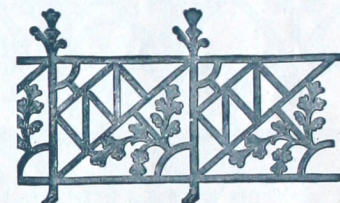
No. 27½—Cresting, 26 in. high.....per lineal foot, 65c
 No. 27¾—Cresting, 32 in. high.....per lineal foot, 75c



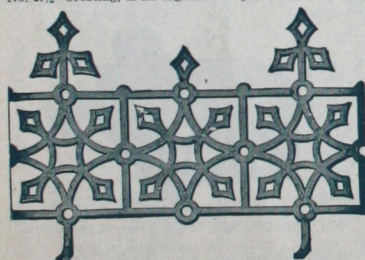
No. 28 Cresting, 15 in. high.....per lineal foot, 35c



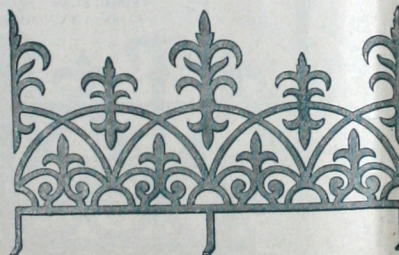
No. 33½—Cresting, 18 in. high.....per lineal foot, 45c



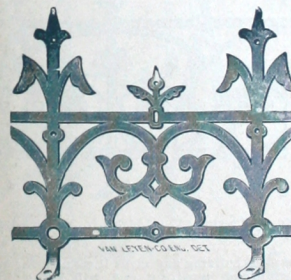
Per Lineal Foot.
 No. 39½—Oak Leaf Cresting, 15 in. high.....45c
 No. 39¾—Oak Leaf Cresting, 20 in. high.....50c
 No. 39¾—Oak Leaf Cresting, 25 in. high.....55c
 No. 39—Oak Leaf Finial to match.....each \$1.50



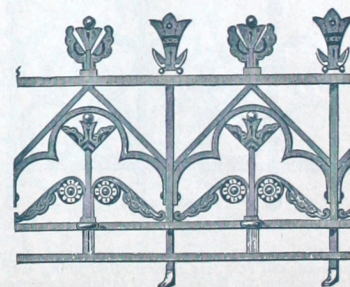
No. 32½—Cresting, 15 in. high.....per lineal foot, 35c
 No. 32¾—Cresting, 18 in. high.....per lineal foot, 45c
 No. 32¾—Cresting, 24 in. high.....per lineal foot, 50c



No. 33½—Cresting, 12 in. high.....per lineal foot, 30c
 No. 33¾—Cresting, 15 in. high.....per lineal foot, 40c
 No. 33¾—Cresting, 18 in. high.....per lineal foot, 45c



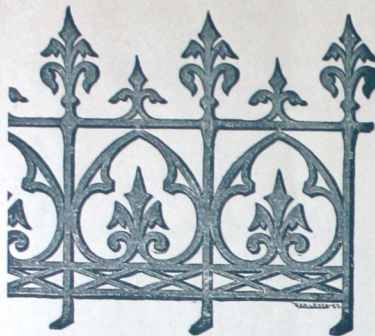
No. 40—Cresting, 18 in. high.....per lineal foot, 59c
 No. 40—Cresting, 24 in. high.....per lineal foot, 65c



No. 43, Cresting, 25 in. high, jappaned, per lin. ft., 80c

All our Cast Cresting is JAPPANED, and not simply dipped or painted in the usual way.

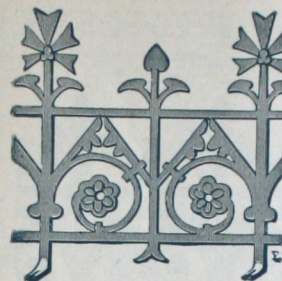
We pack our Cast Cresting so that it never gets broken in transit. We have sold so much of it we "know how."



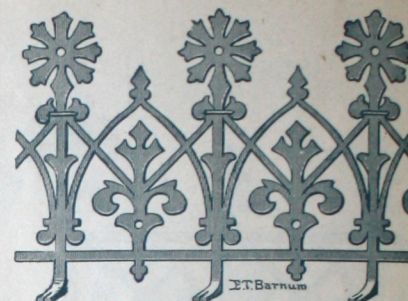
No. 44—Cresting, 18 in. high.....per lineal foot, 55c
 No. 44—Cresting, 21 in. high.....per lineal foot, 60c
 No. 44—Cresting, 24 in. high.....per lineal foot, 65c
 No. 44—Cresting, 30 in. high.....per lineal foot, 70c



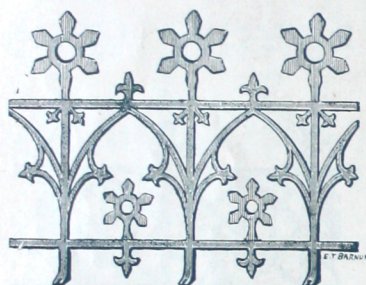
No. 45—Cresting, 18 in. high.....per lineal foot, 55c
 No. 45—Cresting, 24 in. high.....per lineal foot, 60c



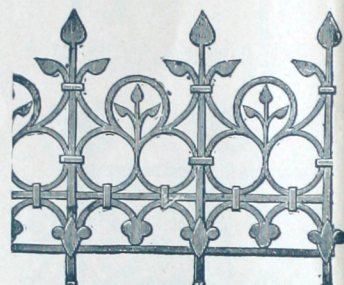
No. 55—Cresting, 18 in. high.....per lineal foot, 55c
 No. 55—Cresting, 24 in. high.....per lineal foot, 70c



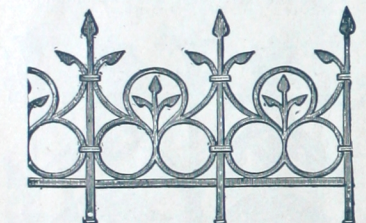
No. 56—Cresting, 18 in. high.....per lineal foot, 55c
 No. 56—Cresting, 24 in. high.....per lineal foot, 70c



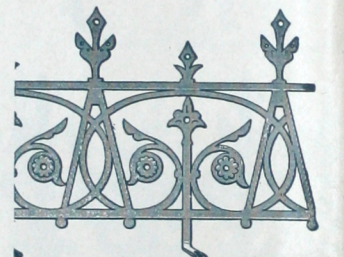
No. 49—Cresting, 18 in. high.....per lineal foot, 45c
 No. 49—Cresting, 25 in. high.....per lineal foot, 60c
 No. 49—Cresting, 30 in. high.....per lineal foot, 70c
 No. 49—Cresting, 36 in. high.....per lineal foot, 90c



No. 50—Cresting, 24 in. high.....per lineal foot, 70c



No. 51—Cresting, 18 in. high.....per lineal foot, 50c

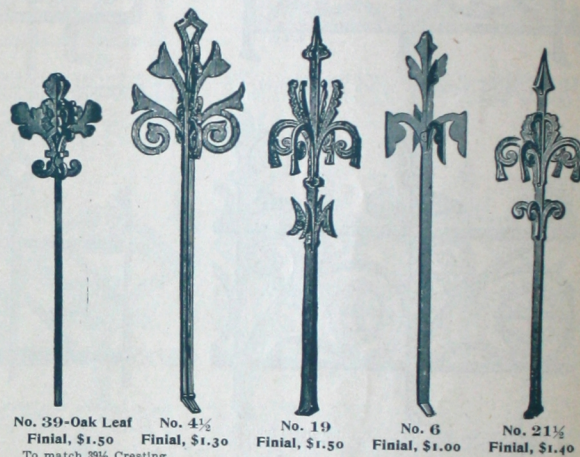


No. 52—Cresting, 18 in. high.....per lineal foot, 55c
 No. 52—Cresting, 24 in. high.....per lineal foot, 70c

Iron Roof Cresting is very desirable. It improves a building and gives it a finish far superior to wood, and at a less expense. It requires less painting and repairing, and will last a lifetime. It is suitable for frame as well as brick or stone buildings. Makes a building look higher and adds to its value especially if finials are used.

All our Cast Cresting is JAPANNED, and not simply dipped or painted in the usual way.—Finials give a "finish" to the corners and angles. Our Corner Irons and Steel Finial Shafts are a great improvement over the cast iron shafts used by our competitors.

Finials are made with flat feet as shown in cut, but can be made without feet if desired, so as to set into Wood Ornaments. All our Finials are made with separable wrought iron shaft.



No. 39—Oak Leaf Finial, \$1.50
 No. 4 1/2 Finial, \$1.30
 No. 19 Finial, \$1.50
 No. 6 Finial, \$1.00
 No. 21 1/2 Finial, \$1.40
 To match 3/8" Cresting.
 Copyrighted 1881.

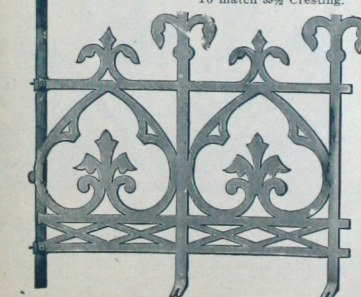
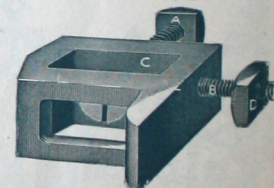


Illustration shows No. 44, Cresting with No. 21 1/2 Finial attached, showing the wrought iron shaft and patent corner iron.



No. 255—CORNER IRON. (Patent applied for.)

All our Finials are made with separable wrought iron shaft, and used with No. 255 Corner Iron are easily set plumb, and besides being rigid themselves, hold the Cresting firm.
 Directions—Attach two corner irons (one above the other) to cresting where drilled for same by bolts "A." slip finial shaft through slot "C." Then attach next section of cresting to bolts "B" and draw nut "D" tight. Cresting and finial will then be secure. If corner of cresting is more than a right angle, bend bolt "B" towards "A" as much as necessary.

MALLEABLE IRON CRESTING AND FINIALS.

(All Malleable Cresting is Painted, not Japanned.)

NO BOLTS SENT WITH MALLEABLE CRESTINGS.



Copyrighted 1883.

No. 69-B-MALLEABLE CRESTING, 6 inches high, per lineal foot, 30 cts.

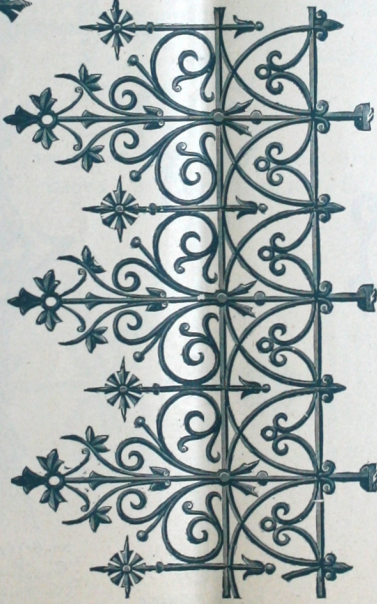


Copyrighted 1883.

No. 68-MALLEABLE CRESTING, 16 inches high, per lineal foot, 60 cts.

No. 74. Final matches this Cresting.

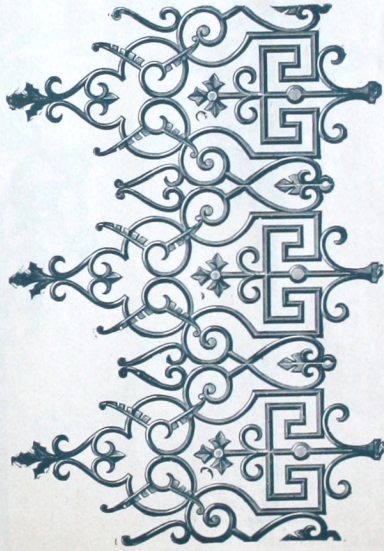
Malleable Cresting and Finials equal in strength to Wrought Iron. Pattern in sections 12 inches long. All Malleable Finials are FOUR SIDED.



Copyrighted 1883.

No. 67½-MALLEABLE CRESTING, 24 inches high, per lineal foot, \$1.20.

No. 72. Final matches this Cresting.

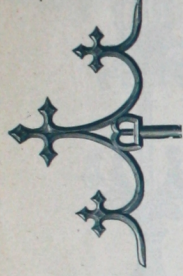


Copyrighted 1883.

No. 60-B-MALLEABLE CRESTING, 24 inches high, per lineal foot, 90 cts.

No. 71½. Final matches this Cresting.

Malleable Cresting can be easily bent to fit a curve or angle. It is almost as strong as wrought iron.



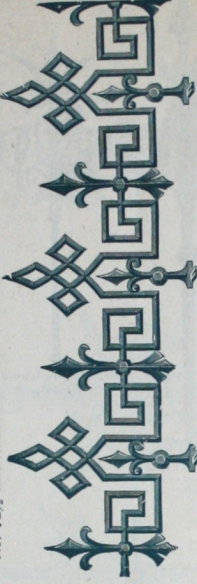
No. 2-B-MALLEABLE IRON PICKETS, JAPANNED, each 10c.

To ornament a fence, and to keep the same from climbing over, use these pickets. They occupy 12 inches, and are 5 inches high, being made of iron. Pickets for corner and Gate post same price.



Copyrighted 1883.

No. 71½-MALLEABLE CRESTING, 9 inches high, per lineal foot, 50 cts.



Copyrighted 1883.

No. 64-B-MALLEABLE CRESTING, 12 inches high, per lineal foot, 60 cts.

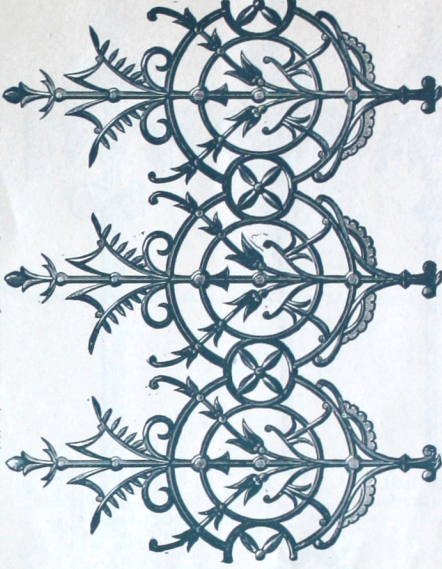
No. 73. Final matches this Cresting.



Copyrighted 1883.

No. 70½-MALLEABLE CRESTING, 18 inches high, per lineal foot 90 cts.

No. 76. Final Corresponds nicely with this design.



Copyrighted 1883.

No. 66-B-MALLEABLE CRESTING, 28 inches high, per lineal foot, \$1.10.

Malleable Cresting can be shipped in bundles without fear of breakage.

Refer to No. 100 complete Catalogue sent you last spring.

16 Ornamental Iron Finials for Cresting.

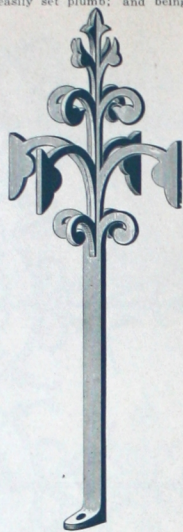
Finials should be used at corners or angles, with all patterns of Cresting. They are fastened to the corners with our New Patent Corner Irons, thus forming a support, and are also easily set plumb; and being higher than the Cresting give it a more finished appearance. They are made in DIFFERENT HEIGHTS to suit any cresting, and parties can select style.



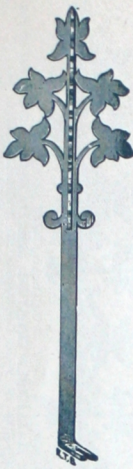
No. 22-Finial.
FOR CRESTING.
30 to 54 in. high, \$4.50



No. 23-Finial.
Small size.....\$1.75
Large size.....3.00



No. 1-Finial, \$1.50
Finials are made different heights to fit the Cresting.



No. A-7 1/2-Finial.
\$1.75
To match No. 7 1/2 Cresting.
Copyrighted.



No. 9 1/2-Finial,
\$2.25
Appropriate for any style of Cresting.



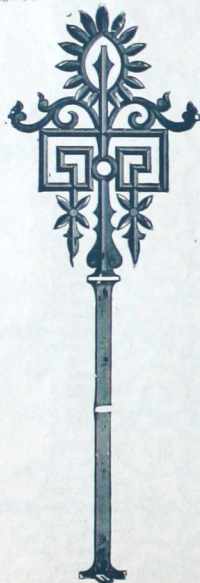
No. 24-Finial.
Small size.....\$1.40
Large size.....2.00



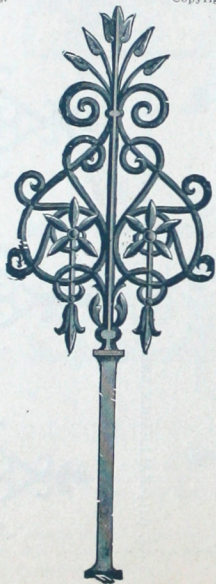
No. 72-Malleable
Finial.
Each\$4.00



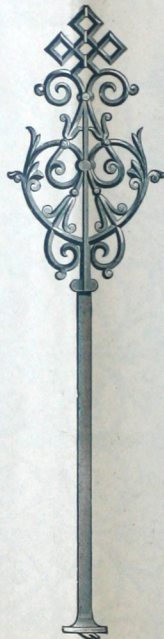
No. 76-Malleable
Finial.
Each\$2.00



No. 71 1/2-Malleable Finial.
Each\$2.00
If none of these patterns suit, we have others to select from, and will send upon application.



No. 74-Malleable Finial.
Each\$3.00



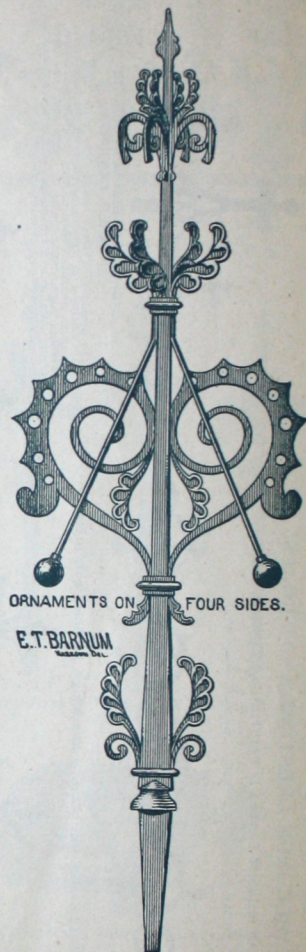
No. 73-Malleable
Finial.
Each\$2.00



No. 5-Tower Finial.
Five feet high, with Wrought Iron Shaft.
Each\$4.50
This illustration shows the top of a tower with the Finial set into it. It has no galvanized iron base.



No. 110-B-Tower
Ornament.
8 feet high, without base, each \$3.00; with galvanized iron base \$3.50 extra.



No. 75-Tower Ornament.
With iron shaft 9 feet high, including 18-inch base, to extend into the tower.
Each\$15.00

These illustrations, 71 1/2, 74, 73, 72, 76, show flat Finials, but they are made four sided.

ORNAMENTS ON FOUR SIDES.
E.T. BARNUM

NOTE—Liberal commissions paid anyone who will give information that will secure us new jobs of IRON or WIRE WORK, such as Court House and Cemetery Fences, Jail Cells, Jail Work, Fire Escapes and all kinds of Builders' Iron Work on public and private buildings. Correspondence solicited.

PLEASE DO NOT TEAR OUT PAGES.
Specify NUMBER and name of goods wanted.

No. 42½-Gilded Scroll Vane.

New designs for Public Buildings, Churches or Private Residences, each.
2 ft. long, mounted, complete, each.....\$11.00
2½ ft. long, mounted, complete, each.....14.00
3 ft. long, mounted, complete, each.....17.00
3½ ft. long, mounted, complete, each.....20.00
4 ft. long, mounted, complete, each.....21.00
4½ ft. long, mounted, complete, each.....23.00
5 ft. long, mounted, complete, each.....25.00
5½ ft. long, mounted, complete, each.....27.00
6 ft. long, mounted, complete, each.....29.00
The Vane is gilded with gold leaf, the shaft is iron and is made to extend about 18 inches into the tower.

No. 36-B-Steel Gable Final.

Made 20 inches high, painted.....\$9.00

These are new designs, made of steel and entirely hand forged. Other heights and styles can be furnished at proportionate prices. In ordering or writing for prices, state height wanted and specify pitch of roof they are to be fitted for. Special designs made to order.

No. 35-B-Steel Gable Final.

Made 20 inches high, painted.....\$6.00

Mounted complete with Spire, Letters and Base. Same as No. 42½ Scroll Vane on this page, 2 feet 6 inches long.....each, \$30.00
The Vane is gilded with gold leaf, and the shaft is iron and made to extend into tower. The Vane is gilded with gold leaf, and painted instead of gilded at a less price.

No. 202½-BANNERET.

Mounted complete with Spire, Letters and Base. Same as No. 42½ Scroll Vane on this page, 2 feet 6 inches long.....each, \$30.00
The Vane is gilded with gold leaf, and the shaft is iron and made to extend into tower. The Vane is gilded with gold leaf, and painted instead of gilded at a less price.

No. 54-B-English Banneret.

New Pattern.

GILDED VANE AND ORNAMENTS.
8 ft. high, Vane 2½ ft. long, each, \$26.00
10 ft. high, Vane 3½ ft. long, each, 36.00
12 ft. high, Vane 4½ ft. long, each, 46.00
With the galvanized iron base, \$5.00
The Vane is gilded with gold leaf, and made to extend down into the tower about 18 inches.

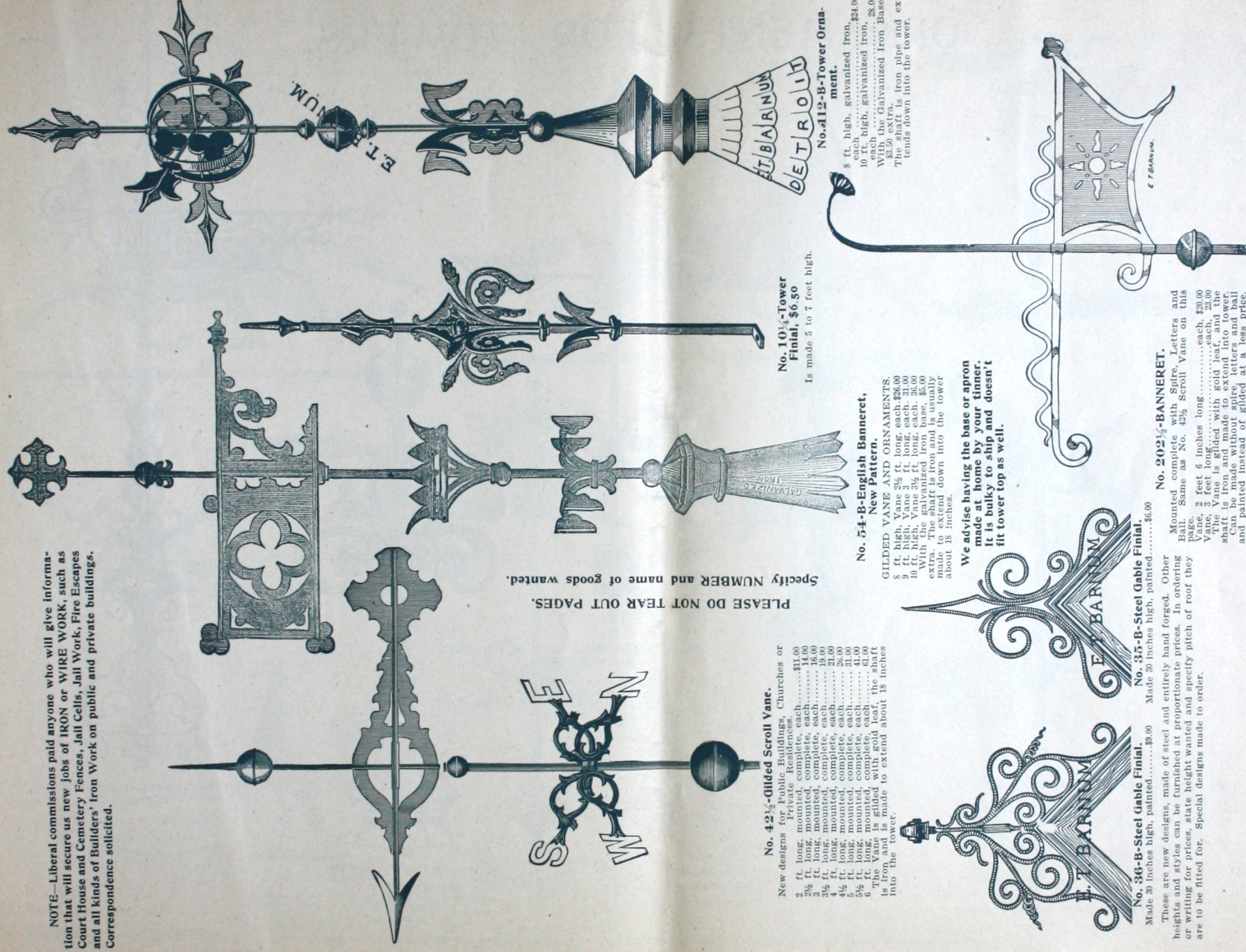
We advise having the base or apron made at home by your tinner. It is bulky to ship and doesn't fit tower top as well.

No. 10½-Tower Final.

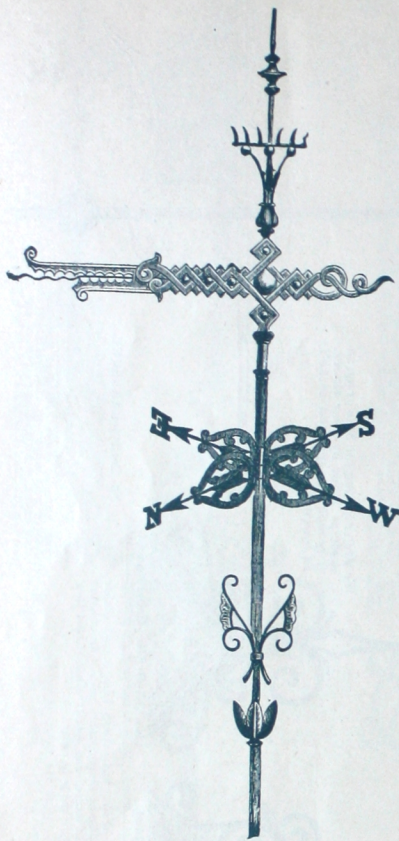
Is made 5 to 7 feet high.

No. 112-B-Tower Ornament.

8 ft. high, galvanized iron, 10 each, \$24.00
With the galvanized iron base, 28.00
The shaft is iron pipe and extends down into the tower.



ORNAMENTS FOR TOWERS.



No. 125-MALLEABLE IRON WEATHER VANE.

Vane $3\frac{1}{2}$ Feet Long.

6 feet 6 inches high, painted.....each, \$15.00

No. 125 and No. 126 Weather Vanes are made of malleable iron, which is equivalent to wrought iron. Are of the most exquisite patterns, and make handsome ornamentation for a tower.

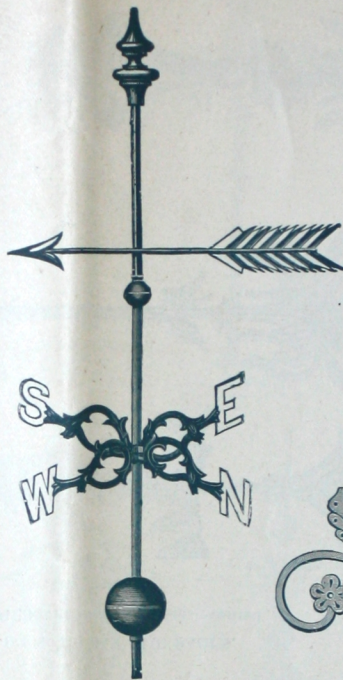
The Vane part and letters can be gilded with gold leaf, costing extra.



No. 120-B-TOWER ORNAMENT.

Extreme Height, 5 ft.
6 in. Price, \$9.00.

Galvanized Iron Base,
\$3.50 extra.

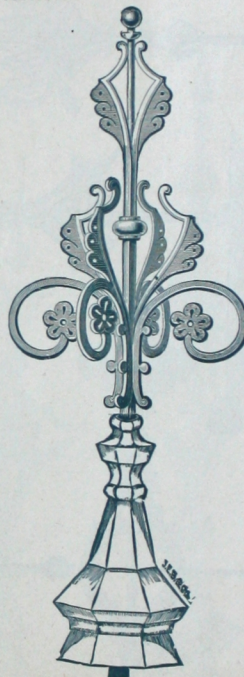


No. 23 1/2-GILDED ARROW VANE.

60 in. long..each, \$30.00
48 in. long..each, 20.00
42 in. long..each, 18.00
36 in. long..each, 15.00
30 in. long..each, 10.00
24 in. long..each, 8.00
18 in. long..each, 6.00
15 in. long..each, 5.00
12 in. long..each, 4.00

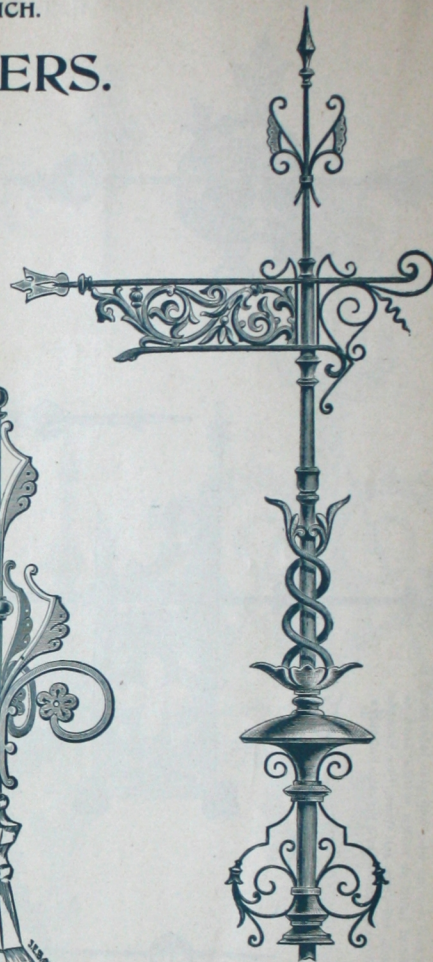
Mounted complete,
as shown.

The Vane, balls and
letters are gilded with
pure gold leaf.



No. 121-B-TOWER ORNAMENT.

Extreme Height, 5 ft.
4 in. Price, \$11.00.
Galvanized Iron Base,
\$3.50 extra.



No. 126-MALLEABLE IRON WEATHER VANE.

Vane $3\frac{1}{2}$ Feet Long,
Painted.

8 ft. high, painted,
each, \$29.00.

We advise having the base or apron made at home by your tinner. It is bulky to ship and doesn't fit tower top as well.

COPPER WEATHER VANES.

GILDED WITH 23-CARAT GOLD LEAF.

Directions for Putting Up Vanes.

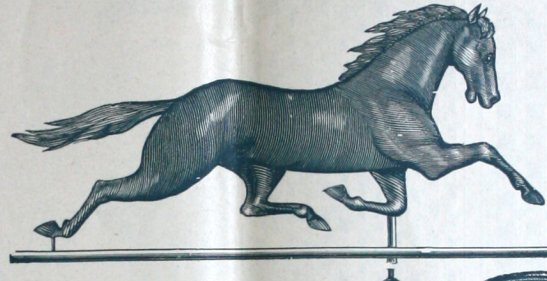
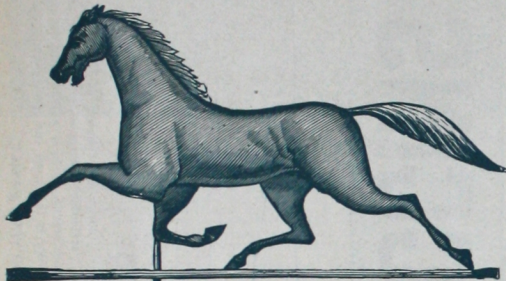
If the Cupola is finished with a wooden post or finial, there should be an iron ring fitted on to the upper end to prevent splitting.

Bore a hole ten inches deep, $\frac{1}{4}$ or $\frac{1}{2}$ of an inch larger than the spire, then bore two inches deeper the same size as the spire.

For large Vanes, bore this hole sixteen inches deep, $\frac{1}{2}$ or $\frac{3}{4}$ inch larger than the spire, then bore two inches deeper the same size as the spire.

Set in the spire, and drive in long tapering wooden wedges covered with white lead or plastic cement, plumbing the spire as you drive the wedges. Put on the large Ball, letting it rest on the top of the tower or a few inches above it, then put on the letters, setting the letter N to the north by compass or the North Star, put on the small Ball, and then the Vane.

NOTE—Do not handle the gilded parts without using cotton or soft tissue paper in the hand.

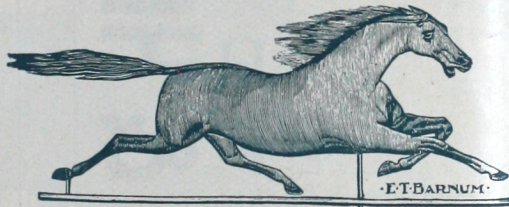


No. 1—Ethan Allen Weather Vane.

SWELL BODIED.

Price—Mounted Complete with Spire, Letters, and Balls. Gilded with pure gold leaf. Each.

No. 1. Ethan Allen, 31 in. long \$30.00
No. 2. Ethan Allen, Jr., 25 in. long 15.00
No. 2. Ethan Allen, 4 ft. long 75.00



Goldsmith's Maid.

FULL BODIED.

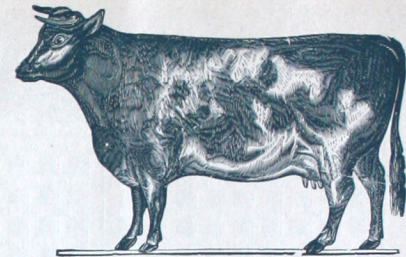
No. 14—Size 32 inches.....\$30.00
No. 14—Size 40 in., with Sulky 45.00
No. 15—Size 50 in., with Wagon 60.00
Made with Spire, Letters and Balls, in proportion to sizes.



Medium Rooster.

Mounted complete like Ethan Allen, shown on this page.
No. 14 size, 24 inches.....\$15.00
No. 15 size, 32 inches..... 30.00
Gilded with pure gold leaf.

We particularly invite comparison of our Copper Vanes with those of any other manufacturer in this country, as to styles, designs and prices. The price of each Vane includes iron spire, with steel spindle, points of compass, gilded letters and balls. Cheap Vanes are made of galvanized iron or sheet zinc. Zinc contracts and expands by the action of the weather five times as much as copper. The result will be that if you buy a cheap zinc Vane it will crack where united, and soon fall to pieces.



COW VANE.

Mounted complete, same as Ethan Allen, shown on this page.

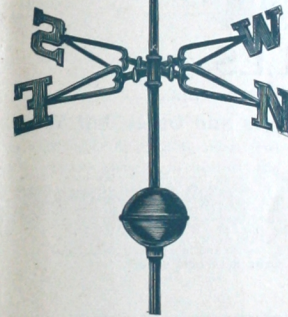
No. 9 size, 17x28 inches.....\$22.50
No. 9-A size, 20x36 inches..... 50.00

OX VANE.

No. 8, size, 13x24.....\$20.00
No. 8-A, size, 20x36..... 50.00
With Spire, Letters and Balls complete, in proportion to size.

SHEEP VANE.

No. 10. RAM, 20x32.....\$25.00
No. 11. SHEEP, 20x32..... 50.00
With Spire, Letters and Balls complete.



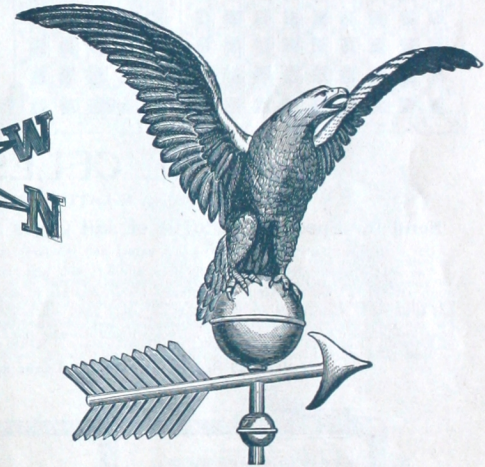
Patchen Weather Vane.

FULL BODIED.

Price—Mounted complete with Spire, Letters and Balls.

No. 4-A—42 inches long, full bodied\$40.00
No. 4½—Patchen, with Sulky, 52 inches long\$60.00
Gilded with pure gold leaf.

We can make any style of Vane, Banneret or Finial, to order, from special designs. Send designs and get estimates.



Copper Eagle Vane.

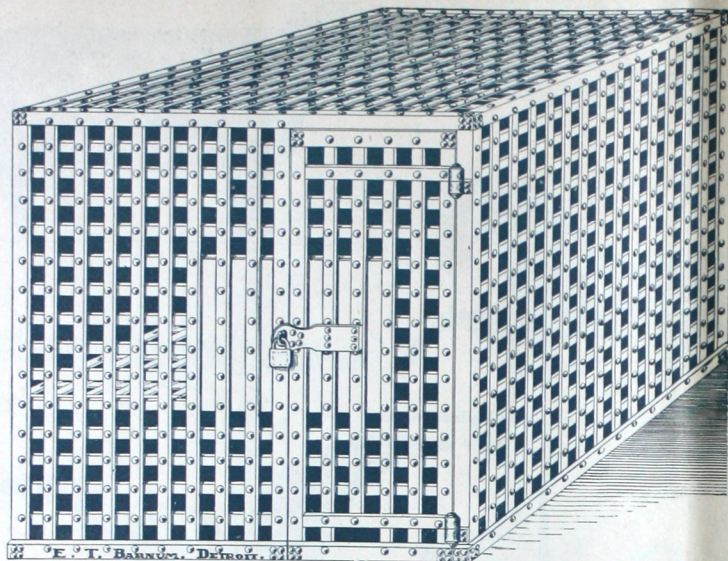
Mounted complete, same as Ethan Allen, shown on this page.

	Eagles only	Eagles with Arrows, Spire, Balls and Letters
FULL BODIED.		
No. 53 —15 inches spread	\$12.00	\$15.00
No. 53½ —18 inches spread.....	18.00	21.00
No. 30 —2 feet spread	30.00	35.00
No. 29 —2 feet 6 inches spread.....	40.00	50.00
No. 28 —2 feet 6 inches spread.....	60.00	70.00
No. 27 —5 feet 6 inches spread.....	125.00	150.00
No. 26 —6 feet 6 inches spread.....	150.00	200.00
No. 70 —7 feet spread	185.00	250.00
No. 69 —8 feet spread	225.00	

Arrows are indispensable when Eagles are used

Send for Complete Weather Vane Circular.

We have all kinds of Vanes. Explain where you propose to use it, and we will suggest an appropriate design. Refer to No. 100 complete catalogue sent you last spring.



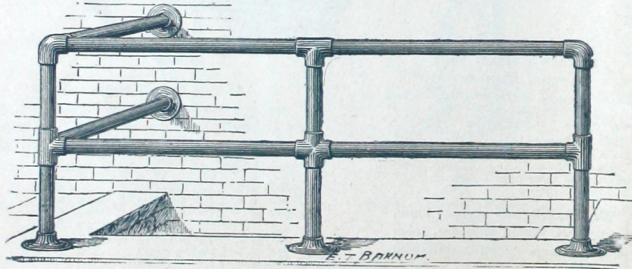
JAIL CELLS.

CUT SHOWS No. 8-LATTICE JAIL CELL.

Send for Special Catalogue of Jail Cages and Other Jail Work.

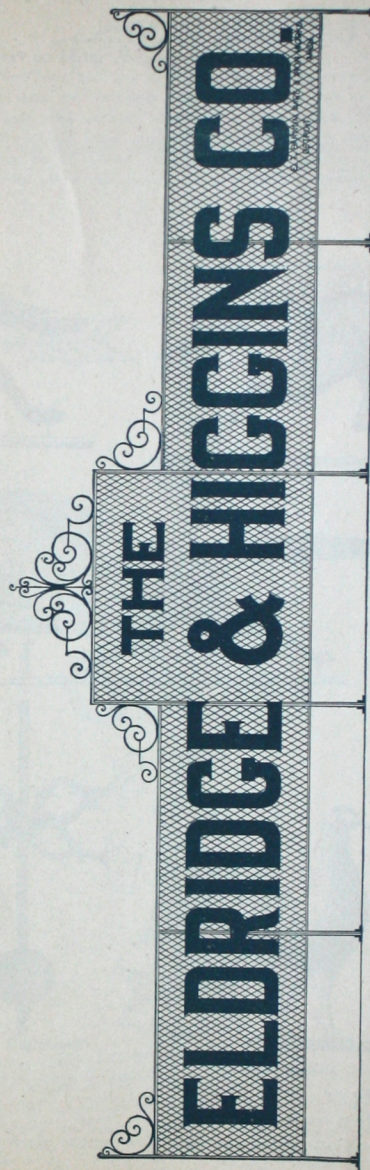
Our well-known Lattice Cells are the best, safest and strongest made. Every town should have some protection of this kind.
The usual size is 5 ft. wide, 6 ft. 6 in. deep, and 6 ft. 6 in. high, but they can be made any size desired. They are made of flat Bessemer steel Jail bars, securely riveted at each intersection with steel rivets, all firmly riveted to a heavy Bessemer steel angle frame, and are usually made without bottom, to fasten to cement, stone or plank floor. Each cell is made with one or more folding bunks and door hung on heavy forged hinges and secured by Yale jail padlock. This style cell is generally made of lattice work on all four sides and top, thereby affording excellent light and ventilation, and enabling the watchman or jailer to keep the prisoner under constant surveillance without entering the cell. If preferred, the top or any part of the walls or cell can be made of solid steel plate instead of lattice work.
Especially adapted for towns and villages wanting a strong, secure and inexpensive Jail Cell.

We Received Highest Award for Jail Cells at World's Fair.



No. 369-TUBULAR IRON AREA RAILING.

30 inches high, 1 1/2 inch outside diameter rails. Price per foot.....\$0.90
30 inches high, 1 3/4 inch outside diameter rails. Price per foot.....1.00
Each post or upright, extra.....2.00



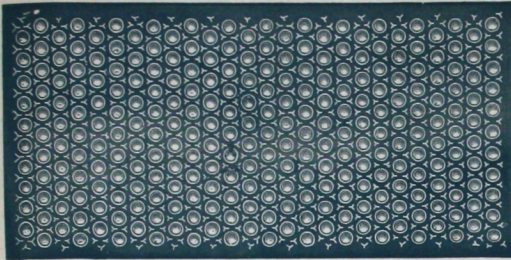
No. 85-WIRE SIGN.

20 feet long, 6 feet high, with any lettering, arranged as in cut or otherwise.....	\$ 45.00
24 feet long, 6 feet high, with any lettering, arranged as in cut or otherwise.....	50.00
24 feet long, 8 feet high, with any lettering, arranged as in cut or otherwise.....	55.00
30 feet long, 10 feet high, with any lettering, arranged as in cut or otherwise.....	75.00
40 feet long, 12 feet high, with any lettering, arranged as in cut or otherwise.....	120.00
40 feet long, 12 feet high, with any lettering, arranged as in cut or otherwise.....	130.00

ANY SIZE OR SHAPE MADE TO ORDER.

These designs are an improvement on wood signs, for tops of large buildings, factories, business blocks, storerooms, etc. They can be made much larger without risk of being blown down, and read distinctly at a far greater distance. Wire signs are particularly adapted for factories and very large buildings, and we solicit correspondence from all interested. Signs can be made any conceivable length and height. When writing for prices, state probable length you desire, send rough sketch of roof, showing where sign will be set, and state what kind of a roof it is, so we can make an estimate understandingly.

SIGNS ARE MADE IN SECTIONS AND CAN BE SET UP VERY EASILY.

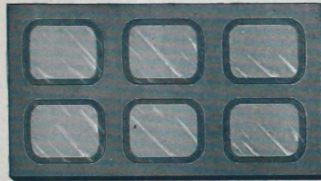
**No. 200- $\frac{1}{2}$ -BULL'S EYE ILLUMINATING SIDEWALK TILING.**

Price, per square foot.....\$1.75

This was for many years the standard tiling and is today preferred by many. It is strong, durable and serviceable. The projecting knobs make the surface unpleasant to walk on, but its durability offsets this drawback. It should always be used over boiler rooms in preference to the concrete.

State size of opening and explain whether measurements include the rabbet or groove. The work is shipped ready to set in place.

Tiling should have a bearing of at least 2 in. on all 4 sides. It is fully illuminated.

**No. 203-ORNAMENTAL FLOOR LIGHTS.**

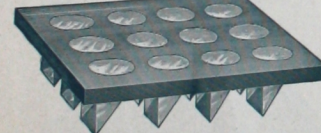
Price per square foot.....\$2.50

Where a large area of glass surface and a supporting strength of 10 lbs. or more to the square foot are required, the work as shown by this cut meets the demand fully; the glass is parallelogram shaped 6 inches by 8 with rounded corners.

For ornamental purposes the glass can be made of any desired shape, and with additional expense, made in colors to suit.

We arrange for radiating prisms on the bottom side of the glass which have a pleasing effect to the eye, also radiate the light in various directions.

This is a very light and strong construction.

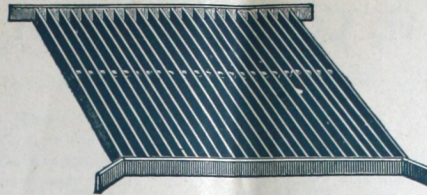
**No. 202-DROP LENS CONCRETE TILING.**

Price per square foot.....\$4.00

We print here a small section of a drop lens tiling.

The glass is set the same as the flat glass, and where economy is a strong feature with owners, we can alternate a row of the drop lenses with a row of flat glass at a less price. The light enters the top of this glass at right angles to the surface or vertically, a portion passing straight through, but the greater portion is reflected when it strikes the oblique surface at the back of the pendant, and is thrown forward in almost horizontal lines being refracted a little downward when they pass through the vertical face or front of the pendant.

Explain in which direction the light is to be thrown.

**No. 1 $\frac{1}{2}$ -WROUGHT IRON GRATING.**

Made of wrought iron, with heavy iron frames. For sidewalks in front of store windows. Made to set into stone flagging or wood frame. Can be made any size and to open on hinges if desired. In writing for estimates give exact size of opening. Prices quoted upon application.

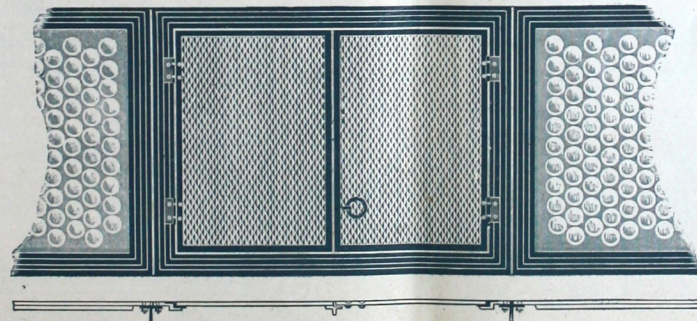
**No. 20 C-COAL HOLE AND ILLUMINATING COVER.**

Prices No. 20 C	Illuminating Cover only.	Ventilating Cover and Thimble as shown.	Prices No. 21 C (Cover made ventilating instead of illuminating.)
			Cover only. Cover and Thimble
15 inch, each, \$4.00	\$ 6.50\$1.90
16 inch, each, 4.20	6.902.10
17 inch, each, 4.50	7.302.20
18 inch, each, 4.80	7.702.40
20 inch, each, 5.20	8.202.90
24 inch, each, 7.70	11.503.70
30 inch, each, 10.00	20.005.00

Do not cut hole in walk until coal hole and cover are received.

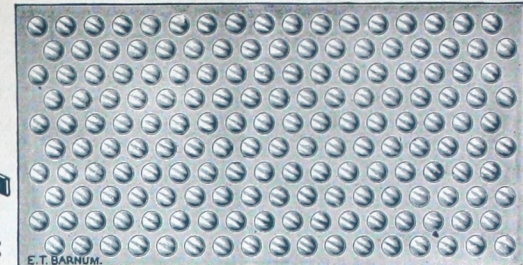
Cut rabbet around opening the thickness of flange, so that top of flange will be flush with walk when set.

Under side of cover has a ring to attach end of fastening chain to.

**No. 251-CAST IRON SIDEWALK DOORS.**

Specify Size of Opening in Writing for Prices.

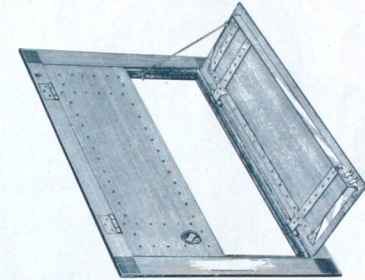
Doors are of cast iron with diamond checkered surface to make non-slippery. They are very durable and necessarily rigid. On account of their weight they should not be used for large openings. They are set flush with walk as shown by the sectional view. Not necessarily used in connection with sidewalk light as shown as they can be set in stone, concrete or wood walk.

**No. 201 $\frac{1}{2}$ -CONCRETE ILLUMINATING SMOOTH SURFACE SIDEWALK TILING.**

Price, per square foot.....\$1.90

This Tiling is very popular now, on account of its even, non-slippery surface, and being free from points or projections offers a secure and pleasant footing. Always clean, highly ornamental, of great durability and perfectly water tight. It requires no painting and does not rust. Its surface being made of glass and hydraulic cement, it rather improves by age. It is used in the modern office and public buildings, both for interior and exterior work.

In ordering, give the size of opening, and state whether the rabbet or groove is included. Tiling should have a bearing of 2 inches on all sides. State whether you want a water flange on any side or sides. Do not cut the stone until the sidewalk light is received. Send sketch and dimensions for estimate.

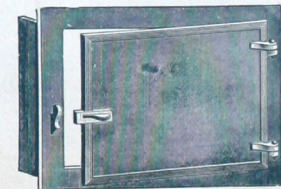
**No. 252-PLATE IRON SIDEWALK DOORS.**

Price, per square foot over all.....\$1.75

If single door add \$7.50 net to cost for extra work.

If double door add \$15.00 net to cost for extra work.

These doors are made of flat sheet steel set with button-headed rivets to make non-slippery. They can be left smooth and cost a little less, but the surface is treacherous, especially during cold weather. They are not water tight when made as shown, but can be made perfectly tight at a higher cost and when made so are not flush with the walk. A single door is made for small openings. Any shape, size or kind of door made. State especially what you want in writing for prices.

**ASH PIT OR FLUE DOORS.**

Door 7x9, japanned.....per dozen, \$ 7.50

Door 7x12, japanned.....per dozen, 10.00

Door 10x12, japanned.....per dozen, 12.00

Door 10x15, japanned.....per dozen, 16.00

Made with Improved Box Flanges to build in wall.

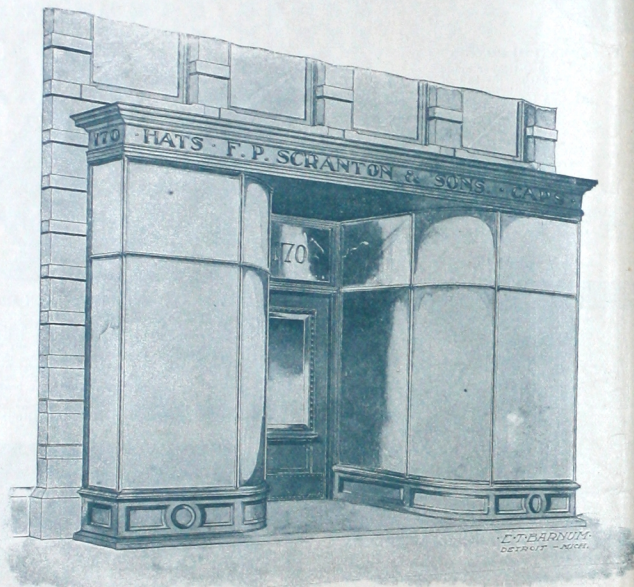
METAL COVERED SASH BARS.

(SEE NOTE.)

To Architects, Builders and Contractors:

Our metal covered sash bars are made in various shapes and sizes, as illustrated in our ACTUAL SIZE sectional views on next page. The core is of hard wood, over which is drawn a heavy sheet of POLISHED COPPER, BRONZE, GERMAN SILVER, or BRASS, all of which are non-corrodible. Any special finish applied to the metal will cost more. The metal covering is drawn through dies, giving a perfectly even and smooth surface, and, when bars are placed in position, they appear as solid metal. The polished German Silver is the popular finish.

Our illustration on this page shows an old-fashioned store front, remodeled into modern style, giving the largest amount of plate glass front for displaying goods. Our bars form the framework for plate glass. No. 13 or No. 12 is used for the corner uprights, No. 10 T bar for the division and horizontal cross bar, and No. 6 quarter-round bar at bottom, top and ends.



Above illustration shows a store front with curved glass corner pieces. Styles of sash bars used are No. 13 bar uprights and No. 10 for horizontal bars.

The glass is usually set in white lead or putty, and the wood strips screwed in rear hold it in place (see sketch "A"). We supply the bars in any length and the customers generally do their own mitering and joining, which is an easy matter, or we can fit them, charging actual cost. In giving lengths always add a few inches more than actual length required to allow for mitering, etc.

For large windows of course the larger sizes are used, and for small windows the smaller bars.

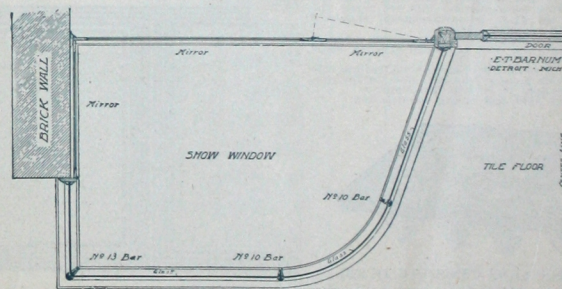
These bars are also used extensively in making show and display cases for exterior or interior use. The price is reasonable and will allow their use in many places where heavy clumsy wood mouldings are now used.

Always order by numbers marked on illustrations.

Most of our sash bars can be curved to a large radius to fit curved glass. In writing for prices state what the radius is, and we will quote. Curved bars cost more than straight work.

NOTE==Be particular to state what metal you want when ordering!!!

We use Polished Bronze, Copper, German Silver or Brass.
ANY OTHER METAL WILL COST MORE.

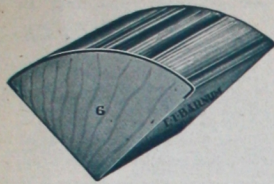


PLAN
SHOWING HALF OF STORE FRONT

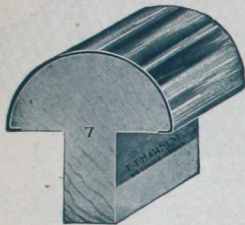
SASH BARS.

We will be glad to give information regarding the adaptability of the different shapes to the work in question.

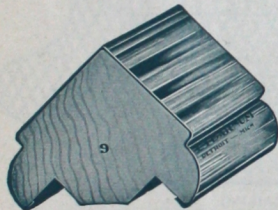
These Cuts are Actual Sizes.



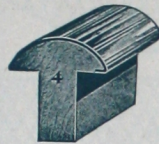
No. 6—"QUARTER-ROUND" BAR.



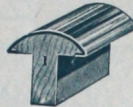
No. 7—"T" BAR.



No. 9—"THREE-QUARTER" BAR.



No. 4—"T" BAR.



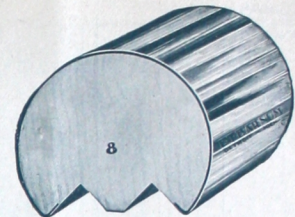
No. 1—"T" BAR.



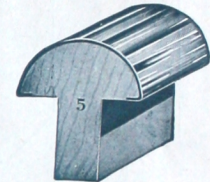
No. 2—"T" BAR.



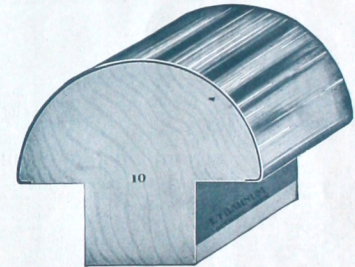
No. 3—"QUARTER-ROUND" BAR.



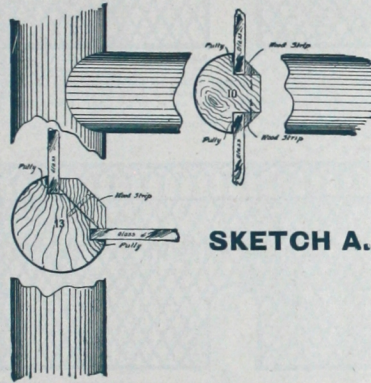
No. 8—"THREE-QUARTER ROUND" BAR.



No. 5—"T" BAR.



No. 10—"T" BAR.



SKETCH A.

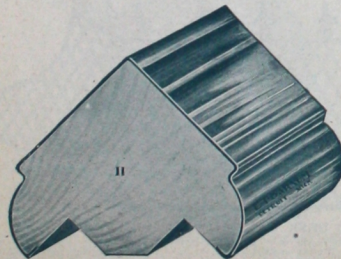
PRICES

of Sash Bars, Covered with Polished Copper, Bronze, Brass or German Silver, Polished Finish.

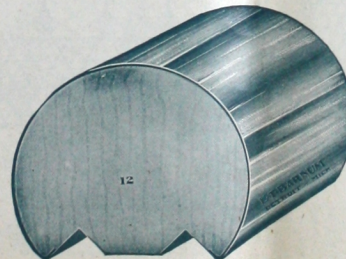
No.	1	per foot	\$0.32
"	2	"	0.40
"	3	"	0.40
"	4	"	0.50
"	5	"	0.60
"	6	"	0.60
"	7	"	0.80
"	8	"	0.90
"	9	"	1.05
"	10	"	1.00
"	11	"	1.35
"	12	"	1.20
"	13	"	1.50

SPECIAL PRICES IN LARGE QUANTITIES.

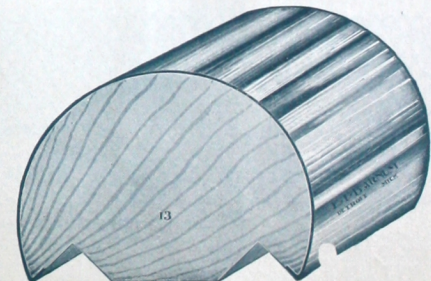
NOTE! State what Metal is wanted when ordering.



No. 11—"THREE-QUARTER" BAR.

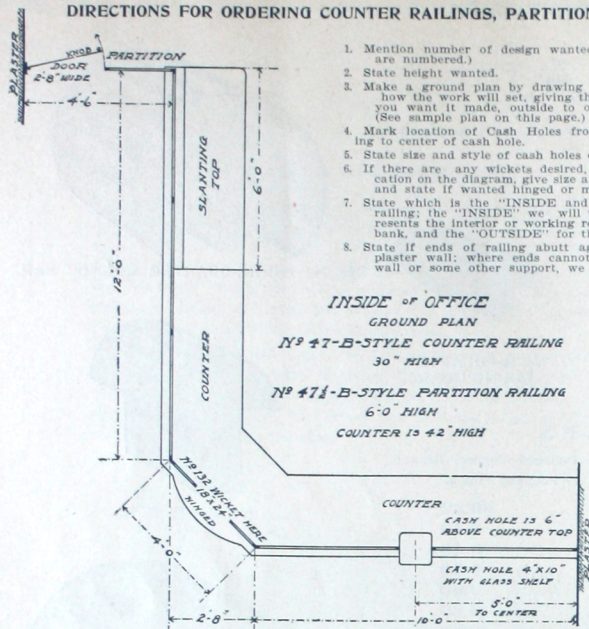


No. 12—"THREE-QUARTER ROUND" BAR.



No. 13—"THREE-QUARTER ROUND" BAR.

DIRECTIONS FOR ORDERING COUNTER RAILINGS, PARTITIONS, ETC.



- Where doors are used mark on which side hinges are wanted, and make a plan showing which way they should swing. We usually furnish with a spring latch, having a keyhole on outside and knob only on inside. Mark on diagram on which side knob should be.
- If there are curves, give the exact radius, and the beginning and ending of the points of the curves or send a paper pattern cut the exact shape of curve.
- State how work is to be finished.

CONSTRUCTION OF WIRE AND METAL RAILINGS.

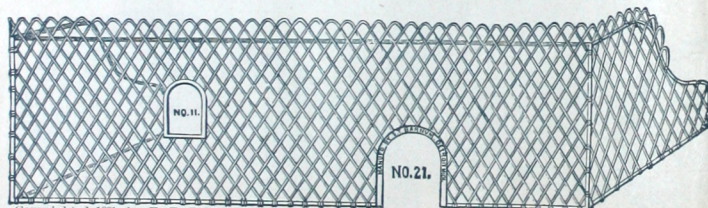
All our railings, WITH THE EXCEPTION OF Nos. 2, 200, 201, 202, 203, 204 and 204 styles, have flat channel iron frames about 1/2 in. x 7-16 in. with screw holes in bottom rail to screw to counter or desk, and in ends when railing abuts wall or wood. The styles excepted have round iron frames and are secured to counter with screws which pass through wire eyes attached to the frames.

The doors are usually furnished with butt hinges. If spring hinges are desired, please state it in order. We can put on single acting or double acting hinges, costing \$2.00 to \$3.00 extra, net.

The posts in partition railings have substantial feet which screw to the floor. The bottom rail of wire work is usually raised 4 to 6 inches from the floor to allow sweeping underneath. The height is figured from the floor to the top of top rail, NOT including picket.

All work is carefully fitted and set up at our shops and shipped in sections. Anyone can set it up in a very short time.

We particularly call your attention to our Electro-Plated finishes, applied by our improved method. This is a very modern, durable and handsome finish. It is much superior to others and we guarantee a better class of work.



Copyrighted 1881, by E. T. Barnum.

No. 2-WIRE COUNTER RAILING.

- | | |
|---|---|
| 12 inches high.....per running foot, \$0.75 | 24 inches high.....per running foot, \$1.10 |
| 15 inches high.....per running foot, .85 | 30 inches high.....per running foot, 1.30 |
| 18 inches high.....per running foot, .95 | 36 inches high.....per running foot, 1.50 |
| 20 inches high.....per running foot, 1.00 | |
- No. 11 Cash Hole, size 7x8 or 8x10 net extra, each, \$1.00. Shaping Ogee ends, \$1.00 each, extra, net. No. 12 Cash Hole, size 10x12 or 12x14, extra, \$1.50 net, with door and water, \$2.00 net, extra.
- This railing is not intended for large offices, but more especially for store counters, desks, etc., where a serviceable, but low-priced railing is required. The frame is 4 to 5-16 inch round iron, with 1 1/4 inch mesh, crimped diamond wire-work. It is desirable to have the ends turn in or project over the counter to help strengthen it, unless each end can be secured to woodwork. Iron braces accompany the railing when in long pieces. It is painted and relieved with bronze.

ALL DESIGNS ON THIS PAGE HAVE A ROUND IRON FRAME.



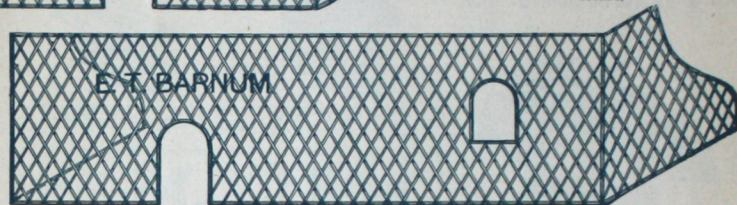
No. 201-DESK RAILING. FOR STANDING CASH DESK IN STORES.

- 15 in. 20 in. 24 in.
high. high. high.
- 3 feet long with 12 inch Ogee return on each end and cash opening extra, each.....\$7.50 \$8.25 \$8.75
- 3 ft. 6 in. long as above, 7.57 8.50 9.25
- 4 ft. 6 in. long as above, 8.44 9.25 9.95
- 5 ft. 6 in. long as above, 9.30 10.45 11.15

Other sizes made to order.

This Railing has round iron frame and is secured to counter with screws which pass through wire eyes attached to the frame.

Handsomely painted and relieved with bronze.

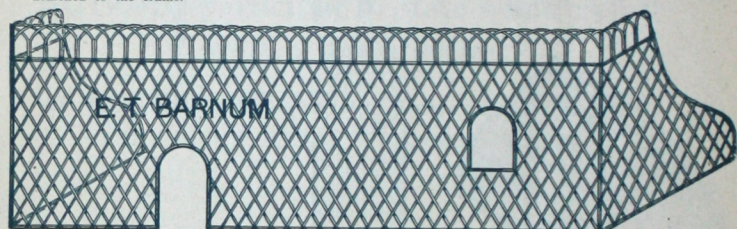


No. 202-COUNTER AND DESK RAILING.

USUALLY PAINTED AND RELIEVED WITH BRONZE.

- | | |
|---|---|
| 12 inches high.....per running foot, 50 cents | 20 inches high.....per running foot, \$0.85 |
| 15 inches high.....per running foot, 60 cents | 24 inches high.....per running foot, 1.00 |
- Extra for shaping Ogee ends, 75c each, net. Cash Holes 7x8 or 8x10, \$1.00 net, extra. Large Cash Holes, \$1.50 extra net.

This Railing has round iron frame and is secured to counter with screws which pass through wire eyes attached to the frame.

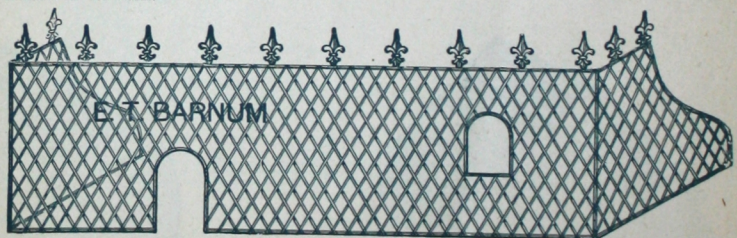


No. 203-COUNTER AND DESK RAILING.

NEATLY FINISHED IN DARK COLOR AND RELIEVED WITH BRONZE.

- | | |
|---|---|
| 15 inches high.....per running foot, \$0.95 | 24 inches high.....per running foot, \$1.20 |
| 18 inches high.....per running foot, 1.05 | 30 inches high.....per running foot, 1.40 |
| 20 inches high.....per running foot, 1.10 | 36 inches high.....per running foot, 1.60 |
- Extra work shaping Ogee Wings, extra, \$1.00 net each. Cash Holes extra. (See above.)

This Railing has round iron frame and is secured to counter with screws which pass through wire eyes attached to the frame.



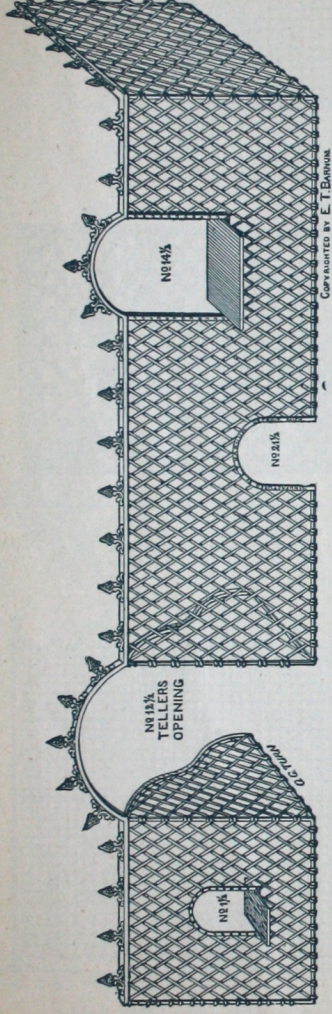
No. 204-COUNTER AND DESK RAILING.

PAINTED DARK COLOR AND RELIEVED WITH BRONZE.

- | | |
|---|---|
| 15 inches high.....per running foot, \$1.10 | 30 inches high.....per running foot, \$1.60 |
| 18 inches high.....per running foot, 1.20 | 36 inches high.....per running foot, 1.80 |
| 24 inches high.....per running foot, 1.40 | 42 inches high.....per running foot, 2.00 |
- Extra work shaping Ogee Wings, \$1.50 each net. Cash Holes extra, same as above. Can be made any size or shape to fit angles and curves. Special prices on application.

This Railing has round iron frame instead of a flat iron and is secured to counter with screws which pass through wire eyes attached to the frame.

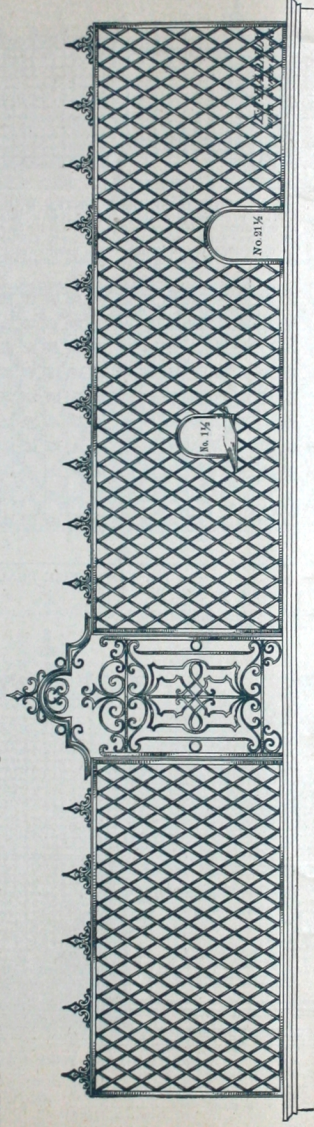
For Channel Iron Frame see No. 5.



No. 20 1/2-WIRE COUNTER RAILING.

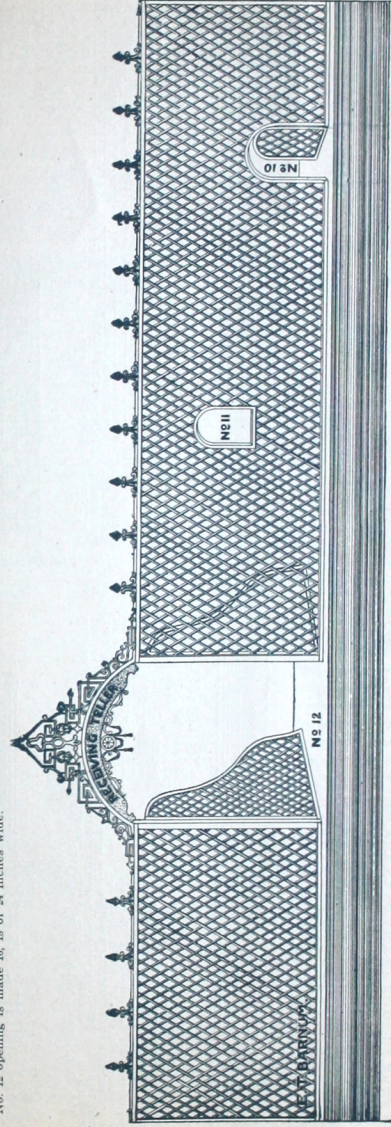
18 inches high.....	per lineal foot, \$1.25	Pickets on top bronzed, extra net.....	per lineal foot, 20c
24 inches high.....	per lineal foot, 1.50	No. 12 1/2 Arch, with Pickets, net.....	each, 1.50
30 inches high.....	per lineal foot, 1.75	No. 14 1/2 Arch, with Pickets, net.....	each, 2.00
36 inches high.....	per lineal foot, 2.00	No. 21 1/2 Cash Hole, extra, net.....	each, 2.00
42 inches high.....	per lineal foot, 2.25	No. 14 1/2 Cash Hole, with Walnut Shelf, net.....	each, 4.50
		No. 14 1/2 Cash Hole, with Walnut Shelf, net.....	each, 4.50

The width of the 12 1/2 tellers opening is usually 24 inches and the length of the O. G. turn depends upon the width of counter. No. 14 1/2 Cash Hole, 788; No. 21 1/2, 1012, and No. 12 1/2 opening is made 788 or 1012 inches, and is a good ascending and descending railing. It is made with a round iron bar at the bottom and top, and as it is not made with a flat bar at the bottom for support it should be fastened to wall at each end or have O. G. Wings.



No. 7-WIRE COUNTER RAILING.

This pattern has bronze pickets on top. It can be made any shape, with or without posts, cash holes or openings. The frame is made of channel iron, which fastens securely to the counter with screws.			
24 inches high.....	per square foot, \$0.85	Pickets on top, Bronzed, extra, net.....	per lineal foot, \$0.20
30 inches high.....	per square foot, .80	Rosettes in center, net.....	per lineal foot, .40
36 inches high.....	per square foot, .70	Posts, net.....	each, 1.50
42 inches high.....	per square foot, .60	No. 14 1/2 Cash Hole and Walnut Shelf, net.....	each, 1.50
Wings for extra work shaping same, extra.....	each, 2.50	No. 21 1/2 Cash Hole, net.....	each, 1.50
Wicket, Dead Black finish, without hinges.....	each, 15.00		
No. 12 1/2 opening is made 788 or 1012, and No. 21 1/2 opening 1012 inches, and can be made with or without glass shelf and door.			
No. 12 opening is made 16 or 24 inches wide.			



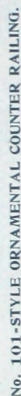
No. 5-WIRE COUNTER RAILING.

This pattern is a finer mesh and stronger than No. 7 shown above. It has bronzed pickets on top and can be made with bronzed rosettes in the center (not shown in cut). It is handsomely painted and relieved with gold bronze, and is stronger, more durable than Nos. 2, 20% and 7 styles (which are shown on page 24 and above).			
24 inches high.....	per square foot, \$1.00	Pickets on top, Bronzed, extra, net.....	per lineal foot, \$0.20
30 inches high.....	per square foot, .85	Rosettes in center, net.....	per lineal foot, .40
36 inches high.....	per square foot, .75	No. 12 Arch, with Gold lettering, extra, net.....	each, 3.00
42 inches high.....	per square foot, .65	No. 10 Cash Hole and Walnut Shelf, net.....	each, 1.50
No. 12 Arch, with Gold lettering, extra, net.....	each, 3.00	No. 10 Cash Hole and Walnut Shelf, net.....	each, 1.50
No. 12 opening is made 16, 18 or 24 inches wide; No. 21 1/2 opening is made 788 or 1012, and No. 10 opening 1012 inches, and can be made with or without glass shelf and door, or with a glass shelf and door.			
No. 12 opening is made 16, 18 or 24 inches wide; No. 21 1/2 opening is made 788 or 1012, and No. 10 opening 1012 inches, and can be made with or without glass shelf and door, or with a glass shelf and door.			

Please do not tear out pages.

Refer to page 24 for Directions How to Order Wire Railing.

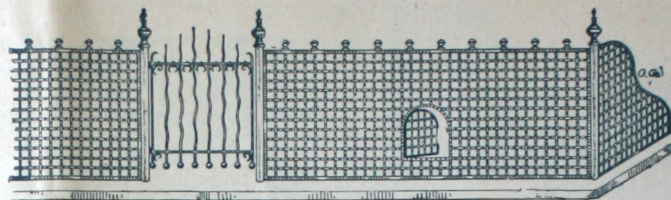
Specify Number and Name of Goods wanted.



This is a completely new design and in very attractive colors. The top and bottom positive on the face wire produce a very pleasing effect. Handmade pickets are placed on top and form a true finish. Usually painted deep brown, russet and pickets relieved with gold bronze. It can be made any shape or size desired to fit angles and curves, and cash holes and wickets can be placed in the convenient positions.

Ornamental Arch, lettered in gold, net, each	\$3.00
Cash hole only, each wicket	1.50
Rod wicket, 18 inches wide, iron	10.00
Rod wicket, 18 inches wide, polished brass	12.00
Hinges and lock on wicket	2.00
net extra	2.00

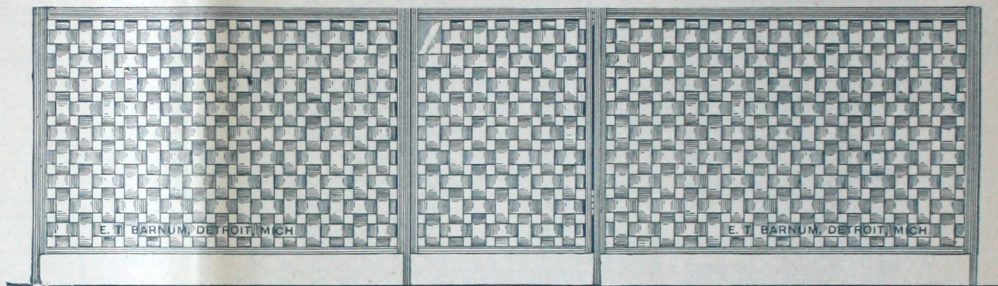
Pickets on top, net, usually made 788 \$3.10, 1052 0.12814



No. 49-B-DESK OR COUNTER RAILING. Made of Flat Wire.

20 inches high. Price per square foot.....	\$1.05	Wickets, each \$16.00; Channel Posts, net.....	\$3.50
24 inches high or upwards. Price per square foot 1.00		No. 3 cash hole and door, 10x12.....	net, 4.00
O. G. End finish, extra work, net.....	2.00	Pickets on top.....	per running foot, net .20

See page 24 for directions for ordering. Give height from counter and size desired.
 Usually finished in dead black. Antique copper finish, 25c per square foot additional.



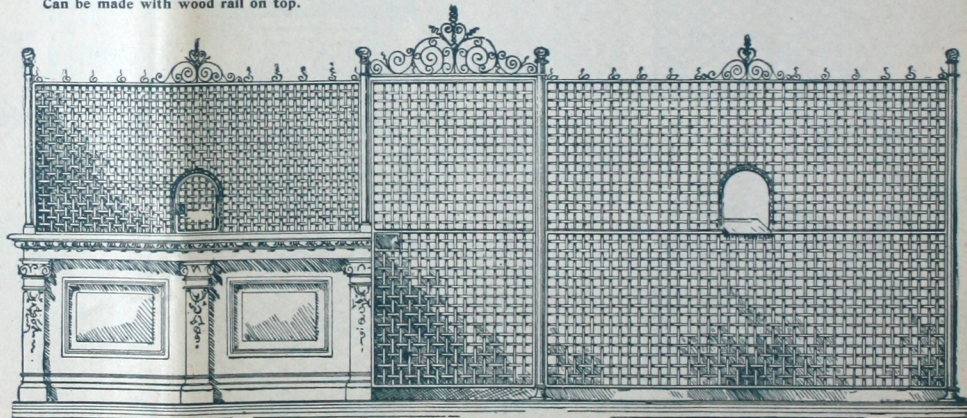
No. 148-OFFICE FENCE OR RAILING.

33 inches high from floor to top. Price per lineal foot, dead black finish \$2.90

36 inches high from floor. Price, per lineal foot, dead black finish \$3.25

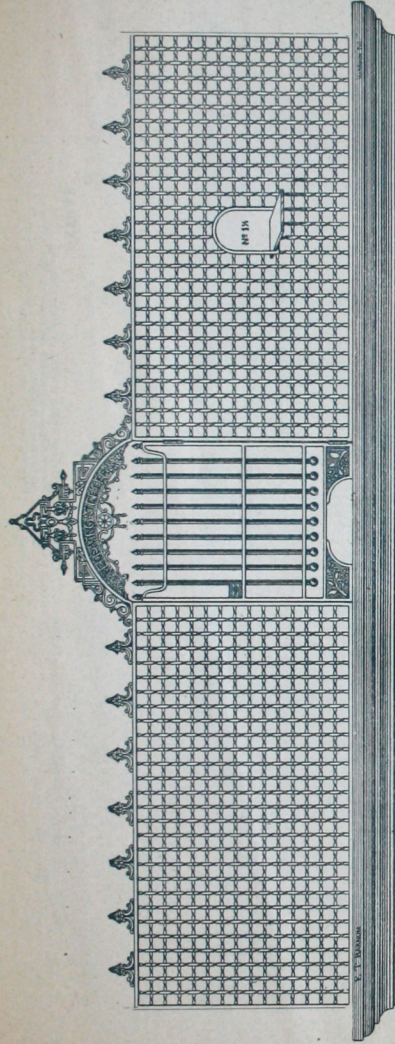
Gates to swing both ways, with self-closing hinges, extra, \$5.00. Posts, extra, each, \$3.50.

Can be made with wood rail on top.



No. 51-B-FLAT WIRE RAILING AND PARTITION.

<p>COUNTER RAILING, $\frac{1}{4}$ INCH MESH.</p> <p>21 inches high. Price per square foot, dead black finish.....\$1.00</p> <p>30 inches high or upwards. Price per square foot......50</p> <p>Cash hole with door or cash hole with glass shelf.....4.00</p> <p>Channel Posts......30</p> <p>Pickets on top, per running foot......30</p>		<p>PARTITION RAILING, $\frac{1}{4}$ TO 2 INCH MESH.</p> <p>6 feet high from floor or upwards. Price, per square foot.....\$0.90</p> <p>Extra work on door, spring lock, hinges, etc.....6.50</p> <p>Extra for door with safety catch, light lock, 3 keys.....7.00</p> <p>Extra for channel with 6 feet high, each.....5.00</p> <p>Extra for ornamental scroll arch over door.....6.00</p> <p>Antique copper finish, 25c per square foot additional.</p>	
---	--	--	--



Copyrighted by E. T. Barnum, 1891.

No. 13-B-ORNAMENTAL TWISTED STEEL WIRE BANK AND OFFICE COUNTER RAILING.

This style, like all other patterns, can be made to order any size or shape desired, with such style cash holes, openings, etc., as the business of the office may require. Can be finished entirely with gold or aluminum bronze, or made of POLISHED BRASS OR OXIDIZED FINISH, if desired, at reasonable price. It is a neat pattern and is very strong and durable. It is made of flat ribbon wire twisted, which gives it a finished and attractive appearance. The frame is made of channel iron with a bottom bar, which is fastened to counter with screws. It is usually finished in dead black or antique copper.

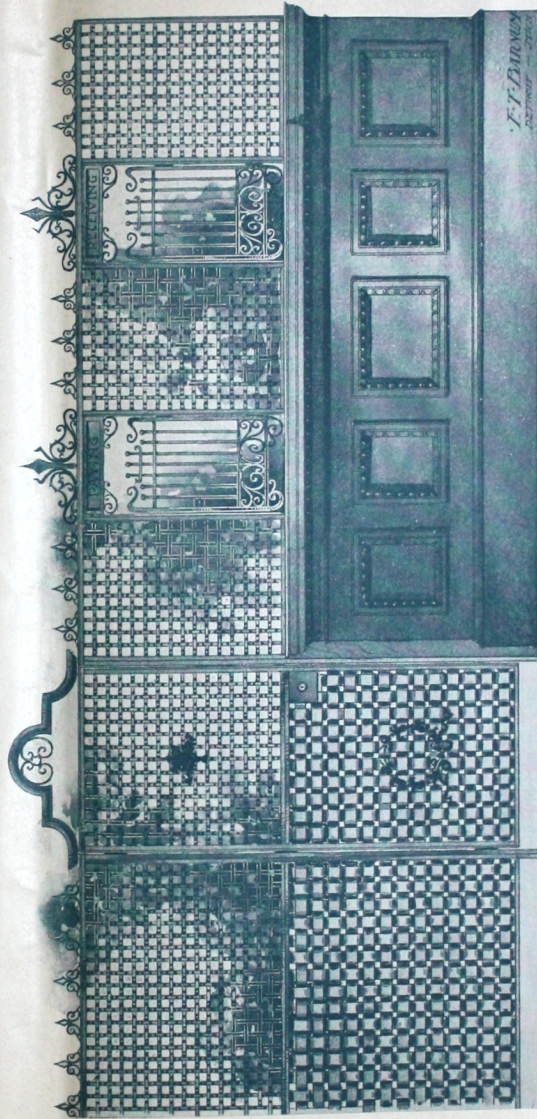
24 inches high.....per square foot,.....\$1.30
 30 inches high.....per square foot,.....1.35
 36 inches high.....per square foot,.....1.45
 42 inches high.....per square foot,.....1.50

Dead Black Antique Copper Finish.

No. 1 1/2 Cash Hole, with hardwood shelf.....\$3.00
 No. 1 1/2 Cash Hole, without shelf.....2.00
 Arch, with lettering (over No. 6 3/4 wicket).....4.20
 Arch, with lettering (over No. 6 3/4 wicket).....3.00
 Brass wicket stationary 18x24 inches.....20.00
 Any other style can be substituted.

Dead Black Finish.

SEND DIAGRAM AND GET ESTIMATE. Refer to page 24 for Directions How to Order Wire Railings.
 Highest Award Received at World's Fair on Bank and Office Railing.

**No. 800-BANK OR OFFICE PARTITION RAILING.**

This is a new pattern, highly ornamental, suitable for Banks and Offices. Lower half is made of flat steel strips 1 to 1 1/2 inches wide, interwoven, forming a small mesh as shown. The upper half is composed of flat steel strips 3/4 inch wide, interwoven. The whole is framed in dead black or antique copper or electro bronze finish. The price is \$1.30 per square foot, not including height. The railing is 30 inches high, 36 inches high, and 42 inches high. The price is \$1.35, \$1.45, and \$1.50 per square foot, respectively. The railing is 24 inches high, 30 inches high, 36 inches high, and 42 inches high. The price is \$1.30, \$1.35, \$1.45, and \$1.50 per square foot, respectively.

EXTRAS.

Extra work on door, including ornaments, safety night lock, hinges, etc.....\$6.00
 Arch, over door, extra, net.....3.75
 Pickets on top not included in height, per lineal foot, net.....45

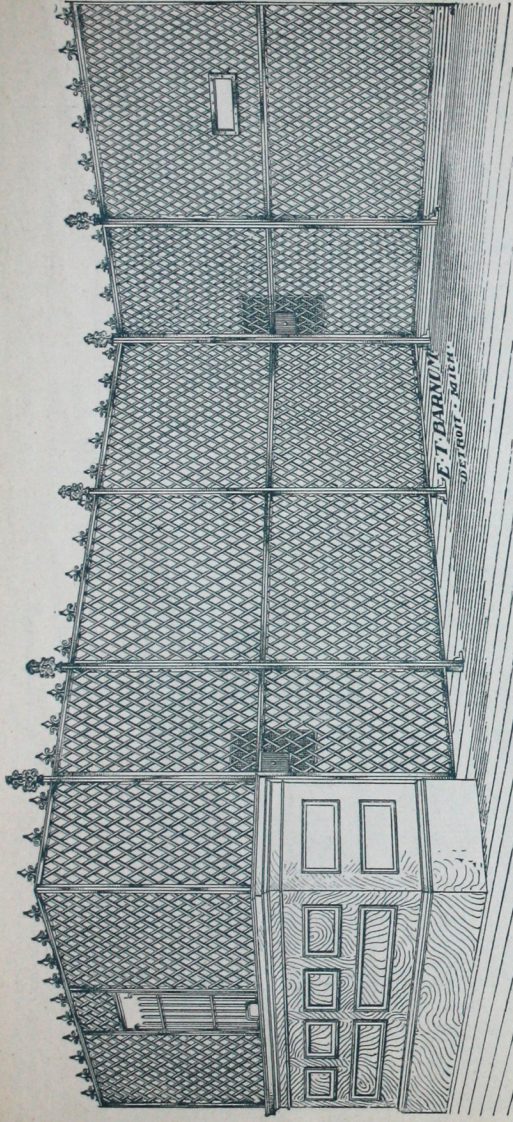
No. 80-BANK OR OFFICE COUNTER RAILING.

This is a very ornamental pattern, suitable for Banks and Offices. It is made of flat steel strips 1 to 1 1/2 inches wide, interwoven, forming a small mesh as shown. The upper half is composed of flat steel strips 3/4 inch wide, interwoven. The whole is framed in dead black or antique copper or electro bronze finish. The price is \$1.30 per square foot, not including height. The railing is 30 inches high, 36 inches high, and 42 inches high. The price is \$1.35, \$1.45, and \$1.50 per square foot, respectively. The railing is 24 inches high, 30 inches high, 36 inches high, and 42 inches high. The price is \$1.30, \$1.35, \$1.45, and \$1.50 per square foot, respectively.

24 to 36 inches high. Per square foot.....\$1.00
 Dead Black Oil Finish.....\$1.25
 Antique Copper or Electro Bronze Finish.....\$1.35

EXTRAS.

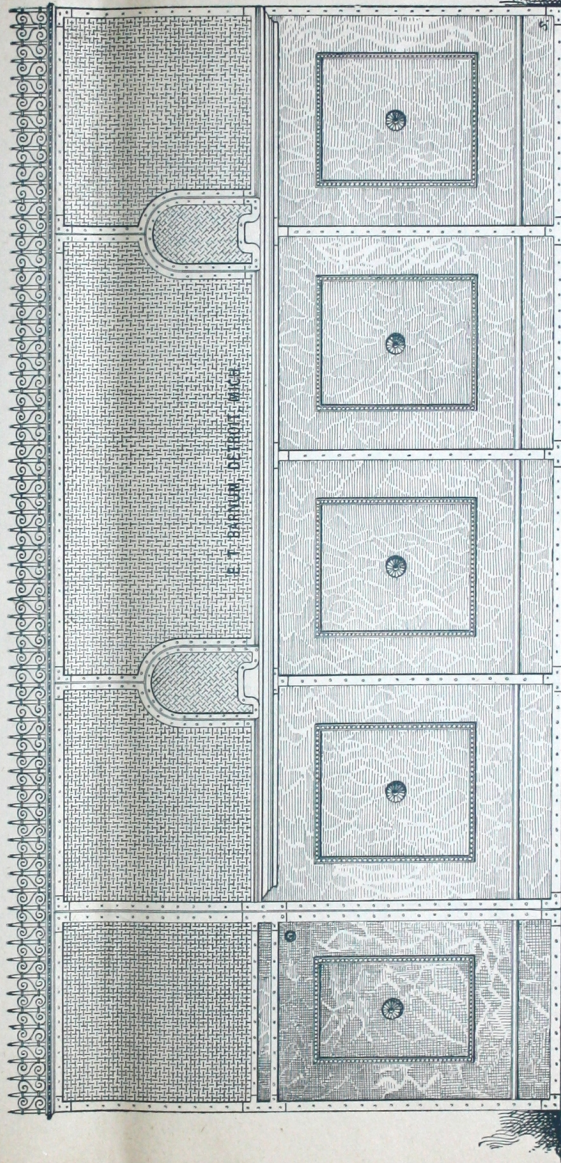
No. 166 wicket Stationary.....\$22.50
 Arch above wickets, each.....4.50
 Pickets on top, per lineal foot, net.....45
 Pickets on top, per lineal foot, net.....45
 WE MAKE THE BEST WORK IN THE COUNTRY AND OUR NET PRICES ARE LOW.



No. 133-PARTITION RAILING.

FOR DIVIDING STORES AND DEPARTMENTS IN LARGE OFFICES AND PUBLIC BUILDINGS.

This style of Railing or Partition is made of heavy wire, and is secured by a screw to floor. It is usually made 6 to 8 feet high, and can be put in if desired, costing extra. Generally painted black and relieved with gold bronze. Any height, not less than 4 ft. 6 in. Sash-light lock, hinges and extra work on door, lock guard.....\$5.00
For price of counter railing see No. 5 style page 25. | Cash Holes and wood shelves extra.....4.50
All work can be constructed either in steel or brass, showing the different finishes: antique copper, Japanese bronze, oxidized silver, bright silver, nickel, extra finish, and genuine lower-barf, genuine lower-barf, old brass, duplex copper. We also call your attention to our new process of galvanizing brass, which makes a very neat and durable finish.



No. 73-BULLET PROOF STEEL COUNTER AND SCREEN.

This counter and counter screen is designed to meet a demand of bankers and business firms exposed to daylight "hold-ups" and robberies. The counter front is made of bullet proof steel, and is made of very heavy steel wire, with openings about 6-10 in. square, which will prevent a bullet of large caliber from going through. The counter screen is made of very heavy steel wire, with openings about 6-10 in. square, which will prevent a bullet of large caliber from going through. Parties interested will please send us particulars and rough sketch showing shape, length and full particulars of what is wanted, and we will furnish samples and estimates. This makes an attractive railing, giving plenty of light and ventilation, and above all a safe protection to your person and property against robbers and desperadoes. THE COUNTER SCREEN CAN ALSO BE USED IN CONNECTION WITH WOODEN COUNTERS IF PREFERRED.

From First National Bank, Rock Springs, Wyo.

MR. E. T. BARNUM, DETROIT, MICH.
Dear Sir:—I take pleasure in stating that the Bullet Proof Bank Counter Railing which we did not hitherto enjoy. We feel satisfied it would answer the purpose expected of it if we were ever placed in your hands.
Yours truly,
A. KENDALL, Cashier.

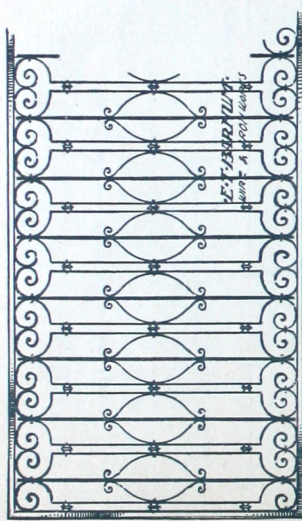
March 30th, 1899.

From the Rock Springs National Bank, Rock Springs, Wyo.

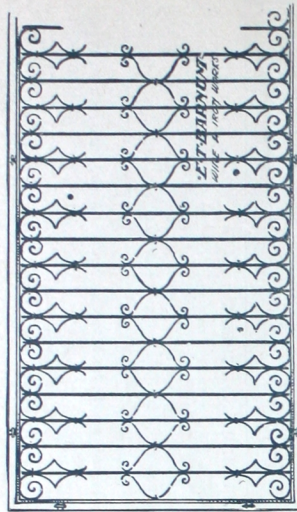
MICH.

MR. E. T. BARNUM, DETROIT, MICH.
Dear Sir:—Regarding the Bullet Proof Railing furnished us will say that it has been tested. We are well pleased with the work and are entirely satisfied. It is a very safe and reliable railing as regards protection that they have seen anywhere.
Respectfully,
ROCK SPRINGS NATIONAL BANK.

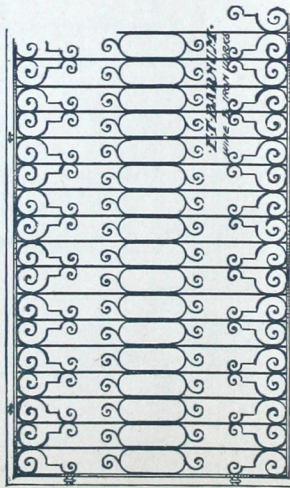
March 30th, 1899.



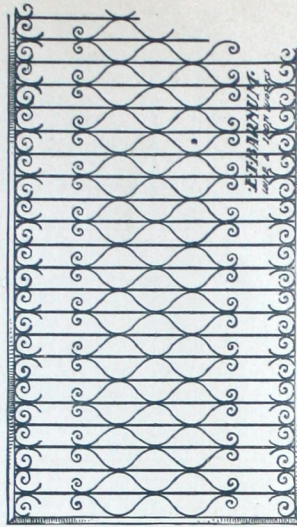
No. 110-METAL GRILLE.



No. 111-METAL GRILLE.



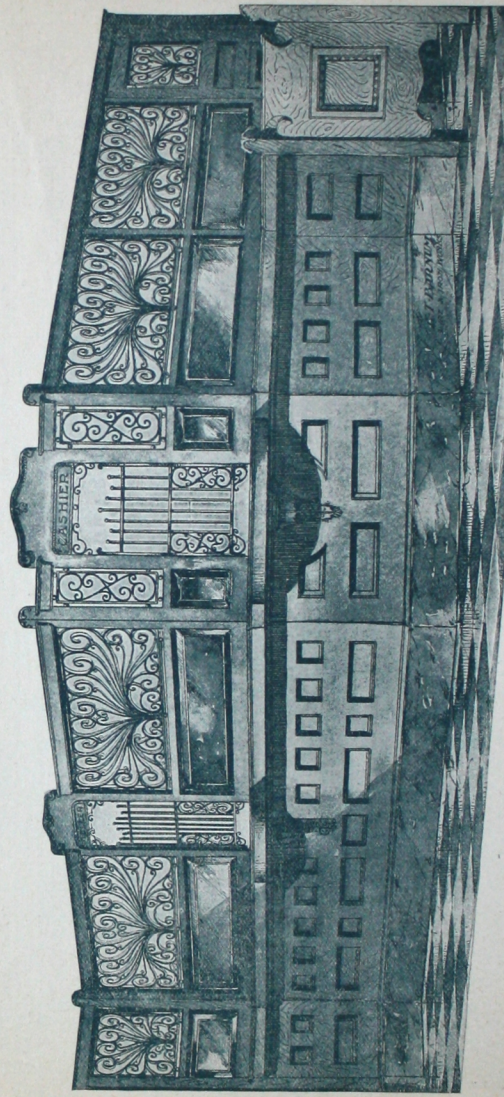
No. 112-METAL GRILLE.



No. 114-METAL GRILLE.

The above panels are illustrated here so as to admit of a larger selection of catalogue designs of the better grade of bank railing outfits. Any of these grilles can be substituted for the metal work shown in the designs on pages 36-37-38-39. The cost will necessarily vary and we refrain from printing a list price, as we cannot, in justice to our customers and to ourselves, indicate a cost without a definite knowledge of sizes, shapes and quantity of panels.

If any of our outfits show a design of grille that is not pleasing to you, we will willingly quote on any other design shown on this or other pages. The above effects of perpendicular rod work are the present most popular construction.



No. 71-BANK FIXTURE.

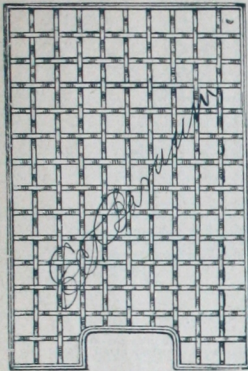
Above illustration shows next bank outfit. Woodwork can be executed in quartered oak, golden oak, cherry or birch. Metal work finished in antique copper, statuary bronze, steel blue or dead black finish. Marble or granite can be used.

Parties interested in this work will please send requests for banking room and give probable location. It is not possible to quote a fair price "per foot." We estimate each job separate, and full particulars will enable us to figure close. If convenient state approximately the amount you desire to invest, as it will aid us in suggesting styles.

TELLERS' WICKETS.

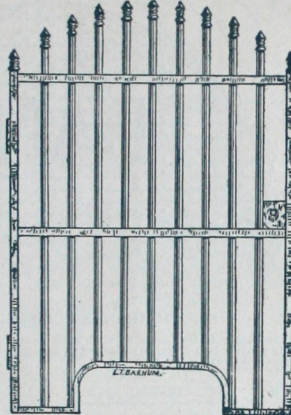
FOR BANKS, TICKET OFFICES, POSTOFFICE WINDOWS AND PUBLIC OFFICES, MADE TO FIT ANY SIZE OPENING.

Wickets, by their attractiveness, durability and utility, are becoming more popular each year. They afford a sure protection to money and valuables. We make a specialty of Wickets, Grilles, etc., and can furnish them from special designs at reasonable prices. Write for estimates. These Wickets can be used in connection with Glass and Wood Railings, and show a handsome contrast with wood work. Any Wicket shown with Railings, on preceding pages, can be furnished separately.



No. 129-B-Wicket.

18 in. wide by 24 in. high...each, \$10.00
21 in. wide by 27 in. high...each, 11.00
24 in. wide by 30 in. high...each, 12.00
This wicket is made of flat metal, crimped and interwoven into square meshes. Hinges and lock \$2.00 extra.



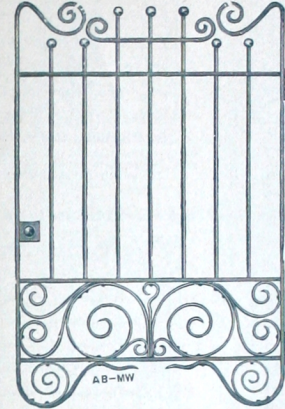
No. 4 3/4-Wicket.

18 inches wide by 24 inches high...each, \$18.00
21 inches wide by 27 inches high...each, 20.00
24 inches wide by 30 inches high...each, 23.00
Any size made to order at a proportionate price.
If wanted with lock and hinges, add \$2.00 to the above prices.



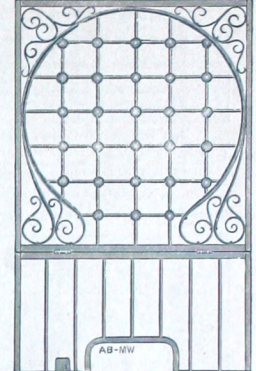
No. 130-Wicket.

18 in. wide by 24 in. high...each, \$12.00
21 in. wide by 27 in. high...each, 14.00
24 in. wide by 30 in. high...each, 16.00
Can be made with lock and hinges, costing \$3.00 extra.



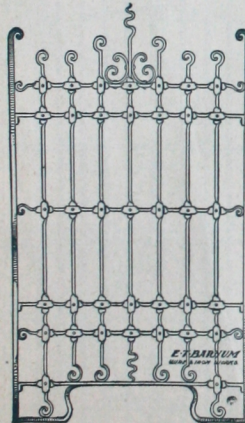
No. 146-Polished Brass Wicket.

A Very Fine and Modern Design.
18 in. wide by 24 in. high...each, \$25.50
21 in. wide by 27 in. high...each, 25.00
24 in. wide by 30 in. high...each, 27.50
Hinges and lock, \$3.00 extra.



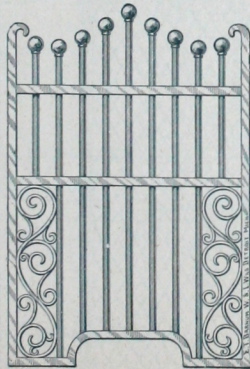
No. 12 3/4-Wicket.

18 in. wide by 24 in. high...each, \$25.00
21 in. wide by 27 in. high...each, 27.50
24 in. wide by 30 in. high...each, 30.00
The lower half of this wicket is hinged and made to swing up, and is very convenient for receiving bulky packages, books, etc. Wickets made any special size wanted. Can be made stationary or to swing same as other wickets if preferred.



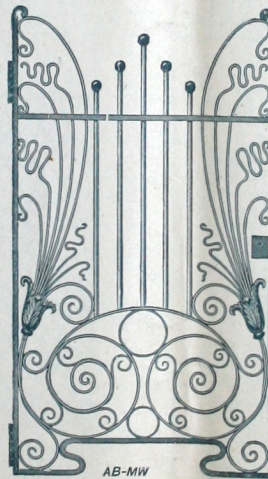
No. 145-Wicket.

18 inches wide by 24 inches high...each, \$18.00
21 inches wide by 27 inches high...each, 20.00
24 inches wide by 30 inches high...each, 23.00
Any size made to order at a proportionate price. If wanted with lock and hinges, add \$2.00 to the above price.



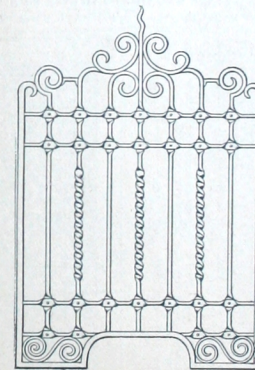
No. 143-Wicket.

18 in. wide by 24 in. high...each, \$22.50
21 in. wide by 27 in. high...each, 25.00
24 in. wide by 30 in. high...each, 27.50
Can be made with lock and hinges, costing \$3.00 extra.



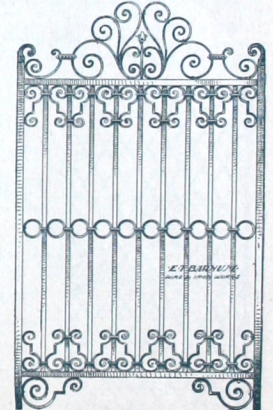
No. 42-B-Polished Brass Wicket.

18 in. wide by 24 in. high...each, \$27.50
21 in. wide by 27 in. high...each, 30.00
24 in. wide by 30 in. high...each, 32.50
Lock and Hinges, \$3.00 extra.



No. 144-Wicket.

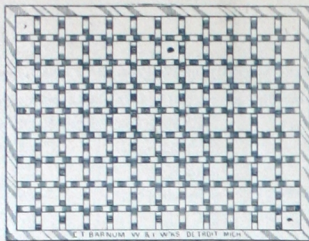
18 in. wide by 24 in. high...each, \$25.00
21 in. wide by 27 in. high...each, 27.50
24 in. wide by 30 in. high...each, 30.00
Lock and Hinges, \$3.00 extra.



No. 138-Wicket.

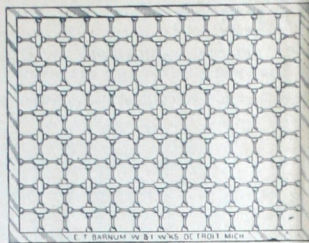
Price, suitable for opening 18 in. wide by 27 in. high, including name, etc., as shown...\$32.50
Larger sizes in proportion.
Lock and Hinges, \$3.00 extra.

All wickets can be made with lock and hinges if so desired, costing \$2.00 to \$3.00 extra. Cash opening can be changed to any other shape. Can be constructed of steel or brass showing the different finishes; in polished brass, antique copper, Japanese bronze, oxidized silver, bright silver, nickel, oxidized nickel, dead black, steel blue, imitation Bower-Barff, genuine Bower-Barff, old brass, duplex copper. We also call your attention to our new process of statuary bronze, which makes a very neat and durable finish. When ordering please state what finish is desired.



No. 92-Metal Panel, Flat Wire.

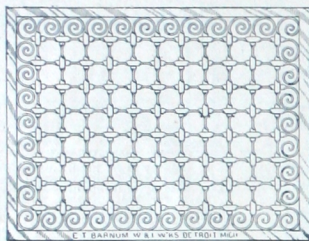
- 1 in. mesh, 5-16 in. flat rolled steel, per sq. ft....\$1.00
 1 1/2 in. mesh, 3/4 in. flat rolled steel, per sq. ft.... 1.00
 1 3/4 in. mesh, 5-16 in. flat rolled steel, per sq. ft.... 1.00
 1 1/2 in. mesh, 5-16 in. flat rolled steel, per sq. ft.... .90
 No panels charged less than 5 square feet.



No. 93-Metal Panel, Flat Wire Twisted.

- 1 1/2 in. mesh, 5-16 in. flat rolled steel, per sq. ft....\$1.40
 1 3/4 in. mesh, 5-16 in. flat rolled steel, per sq. ft.... 1.30
 No panels charged less than 5 square feet.

Prices named are for Antique Copper Finish; Dead Black Finish Lists 10c to 20c per square foot less.



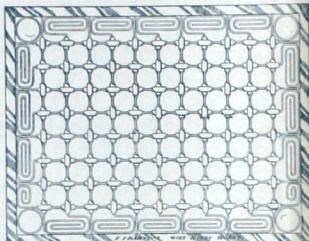
No. 94-Metal Panel, Flat Wire Twisted.

With Scroll Border.

- 1 1/2 in. mesh, 5-16 in. flat rolled steel, per sq. ft....\$1.65
 1 3/4 in. mesh, 5-16 in. flat rolled steel, per sq. ft.... 1.75

Panels containing less than 5 square feet will be figured as 5 square feet.

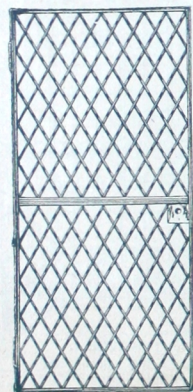
The glass in old counters can be removed and the above substituted, permitting better ventilation and better protection.



No. 115-Metal Panel, Flat Wire Twisted.

With Scroll Border.

- 1 1/2 in. mesh, 5-16 in. flat rolled steel, per sq. ft....\$1.75
 1 3/4 in. mesh, 5-16 in. flat rolled steel, per sq. ft.... 1.85

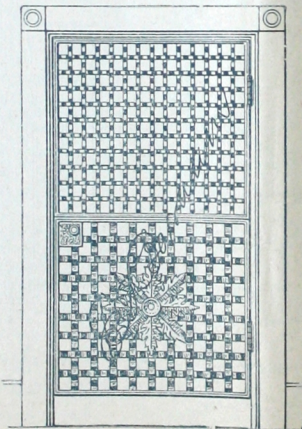


No. 136 1/2-Heavy Wire Door.

- Any height not less than 4 1/2 feet, per square foot....\$0.75
 Trimmings for door, with lock..... 6.00
 Pickets on top of door, per lineal foot..... 40
 Rosettes in center, per foot..... 25

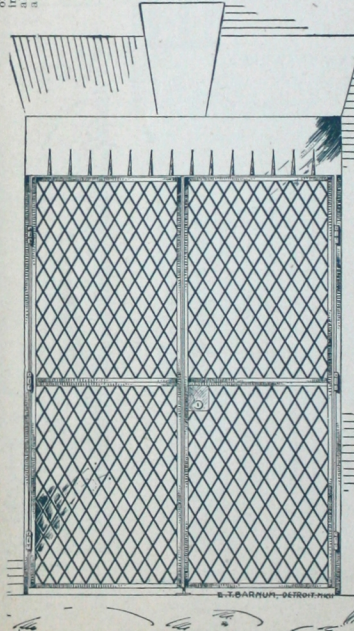
ORNAMENTAL WIRE DOORS FOR OFFICES AND STORES.

These doors are made any size to attach to ordinary door casing and provided with hinges and lock. They afford excellent protection, at the same time admitting free circulation of air in summer and heat in winter. Can be made in any finish. These Wire Doors are usually finished in dead black, but can be made of polished brass or any antique finish at an additional cost. They are strong and durable, and are suitable for use in offices, stores, banks, etc. In ordering please state width and height of door wanted, and place of wooden doors, but they can also be used on the outside. They form a good, substantial protection, which makes them very desirable. When doors do not fill the entire opening, costing 40c per lineal foot extra.



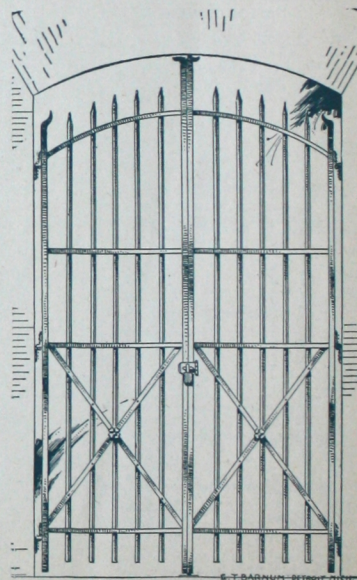
No. 137 1/2-Heavy Ornamental Door.

- Made of flat steel crimped and woven with ornamental rosette in lower half.
 Price per square foot (dead black finish).....\$1.70
 Lock and butt hinges, extra..... 6.00



No. 139-Heavy Steel Wire Door.

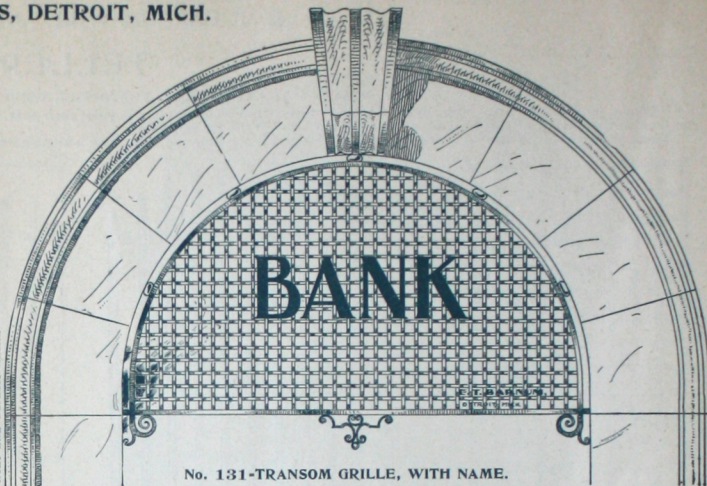
- Price per square foot.....\$.90
 Sharp spikes on top, per foot, net..... .50
 Extra work on hinges, hanging bars, locks, etc., net..... 6.00
 For Banks and Store Entrances. Keep out Burglars.
 Can be made single or double.



No. 140 1/2-Steel Picket Door.

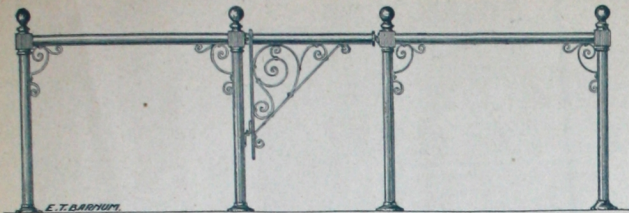
- Price per square foot, made with 3/4 in. round uprights.....\$1.00
 Extra work on doors, hinges, bolts, Yale padlock, hasp, etc..... 6.00
 These doors are suitable to guard back entrances of stores, banks, offices, etc., to prevent burglars from gaining access.

All work can be constructed in steel or brass, showing the different finishes: polished brass, antique brass, antique copper, Japanese bronze, oxidized silver, bright silver, nickel, oxidized nickel, dead-black, steel-blue, etc. Also call your attention to our new process of stately bronze, which makes a very neat and durable finish.



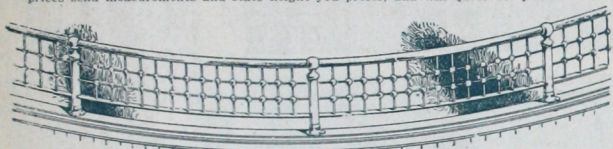
No. 131-TRANSOM GRILLE, WITH NAME.

Intended to be placed in transoms or archways over entrances to stores, banks or offices. Made any shape or size. Lettering is generally gilded with gold leaf and grille work finished black. Send memo. of size when writing for prices.



No. 3-B-BRASS OFFICE RAIL, WITH GATE.

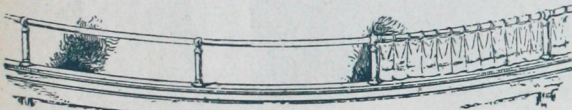
POLISHED AND LACQUERED—USUALLY MADE FROM 30 TO 36 IN. HIGH.
 Price, rails 1½ inches diameter, per foot.....\$1.25
 Posts, extra, each.....8.00
 Small scrolls, extra, each.....1.50
 Extra work on gates and scroll work, hinges, and lock.....8.00
 These rails can be electro-plated any finish desired, such as Antique Brass or Copper, Japanese Bronze, Nickel Plated, Electro Bronze, etc. When writing for prices send measurements and state height you prefer, and will quote net prices.



No. 2-POLISHED BRASS BALL PATTERN RAILING.

MADE CURVED OR STRAIGHT—12 INCHES HIGH.

This style Rail is a very popular one for PARQUET, Gallery, Balconies, Private Boxes in theaters, etc.
 Per lineal foot.....\$5.00 | Standards for same.....each, \$3.50

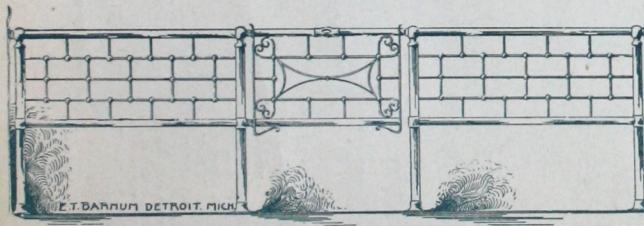


No. 1-POLISHED BRASS BOX AND GALLERY RAIL.

MADE CURVED OR STRAIGHT—USUALLY MADE 9 INCHES HIGH.

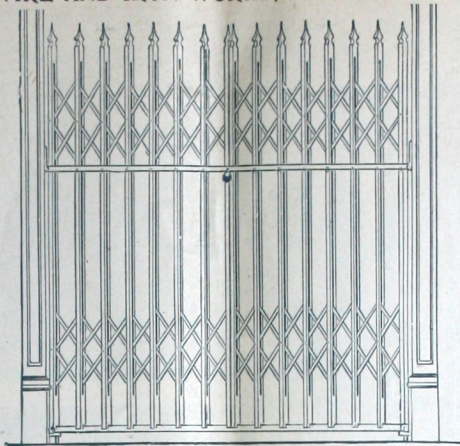
1½ inch diameter.....per foot, \$1.00 | Standards for same.....each, \$3.00
 Curved sections cost extra.

SEND PLAN FOR NET PRICES.



No. 4-BRASS OFFICE RAILING.

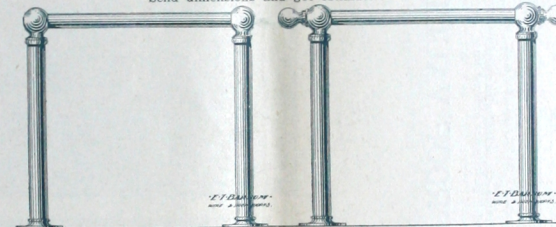
Send sketch showing length you desire, and we will quote net price.
 Any finish desired can be applied—Antique Copper, Antique Brass, etc.
 Can be made without the center filling, costing less.



No. 66-FOLDING VESTIBULE GATE.

EXTENDED ACROSS OPENING AND LOCKED.

All of the Folding Gates can be made in Steel, Brass or Bronze.
 Architects should specify these for new buildings.
 Send dimensions and get estimates.



No. 10-BRASS GUARD RAILING. No. 11-BRASS GUARD RAILING.

FOR BANKS, THEATER LOBBIES, POSTOFFICES, ETC.

Usually made of 2 inch diameter brass tubing. Can be finished in any of the modern finishes, such as antique copper, old brass, nickel, etc.

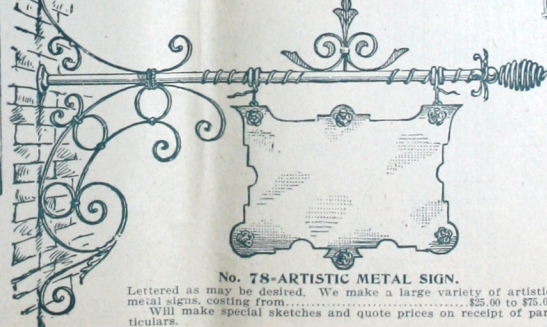
Rail, 2 inch diameter, polished brass, per running foot.....\$1.50

Posts, 26 inches high, each.....10.00

Ornamental ends, per pair.....3.00

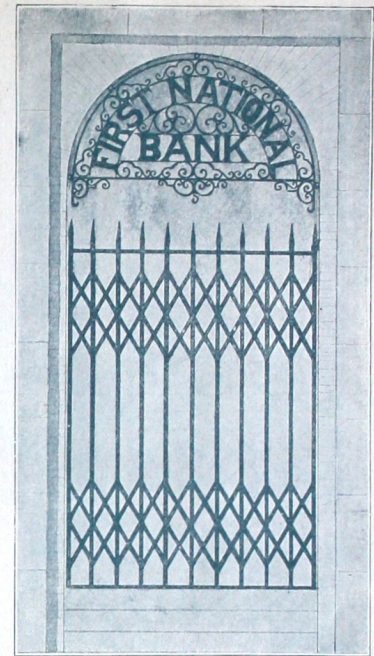
Send diagram for net prices. Also made 1½ and 1¼ in. diameter.

Curves and angles cost extra.



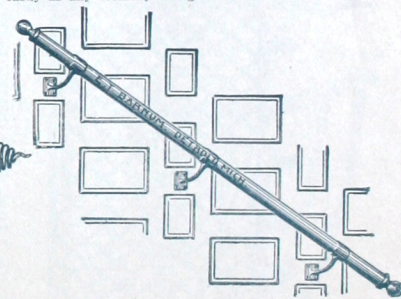
No. 78-ARTISTIC METAL SIGN.

Lettered as may be desired. We make a large variety of artistic metal signs, costing from.....\$25.00 to \$75.00
 Will make special sketches and quote prices on receipt of particulars.



No. 78-WROUGHT STEEL FOLDING GATE.

This is the only Folding Gate and Guard manufactured in the world that combines a series of upright steel bars or pickets, working level top and bottom when expanded or folded away.
 A Gate 10 feet in width can be folded in the space of fifteen inches and turned aside out of the way, and may be operated as easily as any ordinary swing Gate.



No. 7-Polished Brass Hand Rail.

FOR STAIRWAYS.

Rail, 1½ inch diameter.....per foot, \$1.25
 Rail, 2 inch diameter.....per foot, 1.50

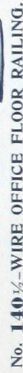
Brass brackets.....each, 2.50

Ball ends.....each, 1.25

Curves and angles cost extra.

Can also be made in steel finished in dead black finish, costing less. Send diagram for prices.

All work can be constructed either in steel or brass, showing the different finishes: polished brass, antique brass, antique copper, Japanese bronze, oxidized silver, bright silver, nickel, oxidized nickel, dead black, steel blue, imitation Bower-Barff, genuine Bower-Barff, old brass, duplex copper. We also call your attention to our new process of statuary bronze, which makes a very neat and durable finish.

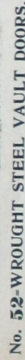


Rosettes, same as above.	\$1.30	without Rosettes,	\$1.20
.....	1.40	1.30

36 inches high, as illustrated 1.50
 Gate as illustrated, \$2.00 extra. The crimped diamond work is about 3 inch, made of about 24-26 gauge wire and secured in heavy channel iron rails at top and bottom. Neatly painted and relieved with a raised pattern 1.40
 Height of this Railing is from bottom of lower frame to top of top frame—the actual wire work. A Railing 30 in. high, raised 4 in. from floor, would be 34 in. high, and if pickets are ordered the height would be still further increased by height of picket.

[illegible]

FIRE PROOF VAULT DOORS.



OPENING IN WALL to take in this vault front should be 82 inches high, 34 inches wide, and thickness of wall 20 inches.

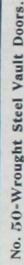
CLEAR OPENING IN DOORWAY, after vault is placed in position; is 78 inches high and 30 inches wide.

OUTSIDE DOOR swings on three heavy hinges and fitted with our best four tumbler Combination Lock. Eight heavy round bolts, four working forward and backward, two up and two down through a heavy wrought iron angle frame, which is securely riveted (not screwed) all the way around to door plate.

INSIDE DOORS, heavier than in ordinary vault fronts, strongly constructed and paneled with up and down bolts; best flat key lock, with duplicate keys.

Name lettered over door free of charge. Fancy side columns, very heavy, with ornamental top to match.

APPROXIMATE WEIGHT, 1,000 POUNDS. PRICE \$140.00.



(CLOSED VIEW.)

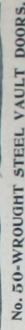
(CLOSED VIEW.)
Opening in wall to take in this vault front should be 76 inches high, 32 inches wide, and thickness of wall 20 inches.

(OPEN VIEW.)
Clear opening in doorway, after vault is placed in position, is 72 inches high and 28 inches wide.

Combination Lock swings on three heavy hinges, and fitted with our best four tumbler iron frame, which is secured (not screwed) all the way around to door plate. Inside doors strongly constructed and paneled with up and down bolts and fitted with our best flat key lock and duplicate keys. Name lettered over door free of charge. Generally finished in black and gold.

Generally finished in black and gold.
Approximate weight, 600 pounds. Price, \$90.00.

We build vaults of any size, weight or description, and shall be pleased to figure on anything in this line. Send for complete Catalogue of other designs.



(OPEN VIEW.)

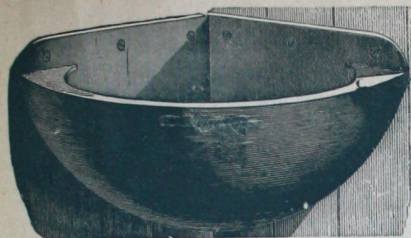
(CLOSED VIEW.)
Opening in wall to take in this vault front should be 76 inches high, 32 inches wide, and thickness of wall 20 inches.

(OPEN VIEW.)
Clear opening in doorway, after vault is placed in position, is 72 inches high and 28 inches wide.

Combination Lock swings on three heavy hinges, and fitted with our best four tumbler iron frame, which is secured (not screwed) all the way around to door plate. Inside doors strongly constructed and paneled with up and down bolts and fitted with our best flat key lock and duplicate keys. Name lettered over door free of charge. Generally finished in black and gold.

Generally finished in black and gold.
Approximate weight, 600 pounds. Price, \$90.00.

We build vaults of any size, weight or description, and shall be pleased to figure on anything in this line. Send for complete Catalogue of other designs.



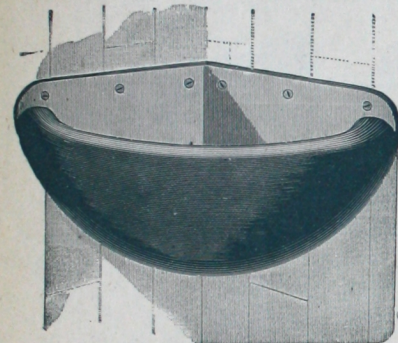
Corner Oat Manger, with Food Flange.

No. 11 $\frac{1}{2}$, japannedeach, \$2.00
No. 11 $\frac{1}{2}$, galvanizedeach, 3.50
Has food guard or flange on top to prevent the horses wasting the contents.



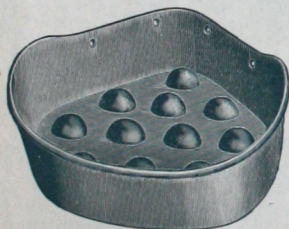
SQUARE OAT MANGER.

No. 52, size 24 in. long x 14 in. wide, 11 in. deep, each\$3.20
No. 52 $\frac{1}{2}$, size 18 in. long x 12 in. wide, 11 in. deep, each2.75
Price, No. 52, galvanized4.75
Price, No. 52 $\frac{1}{2}$, galvanized4.00
With Flange, or food guard, japanned; adapted for Cut Feed and Oats. To fasten against wall.



Improved Corner Oat Manger with Food Flange.

No. 14 $\frac{1}{2}$, japannedeach, \$2.50
No. 14 $\frac{1}{2}$, galvanizedeach, 4.00
Has a heavy rounded Food Guard in front to prevent horses wasting the contents.



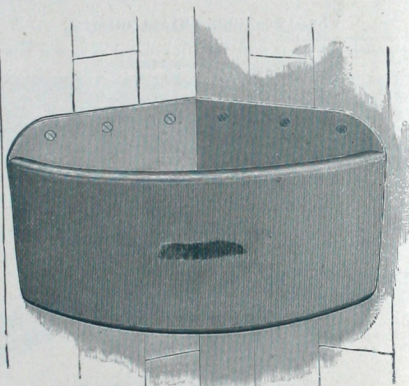
No. 16-"PERFECTION" FEED BOX.

Price, japannedeach, \$3.00
Price, galvanizedeach, 4.75

Highest World's Fair Award.

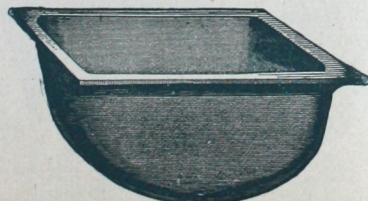
WHAT IS CLAIMED.

FIRST—It obliges the animal to eat its feed slowly, because it has to work to get its feed. While doing this it is masticating what it already has in its mouth, consequently no food goes to its stomach not properly masticated. It therefore produces better results with less feed.
SECOND—The animal cannot plow through it and waste feed.
THIRD—Being of metal, it will not sour, and admits of feeding any kind of food.
FOURTH—With all of these advantages it costs little more than any other metal box.



No. 15-CORNER OAT MANGER.

Fire Department Size.
Size, 14x14x10 inches deep—Japanned, \$3.50. Galvanized, \$5.00.
This is a flat bottom Manger, extra heavy, used by the Detroit Fire Department.



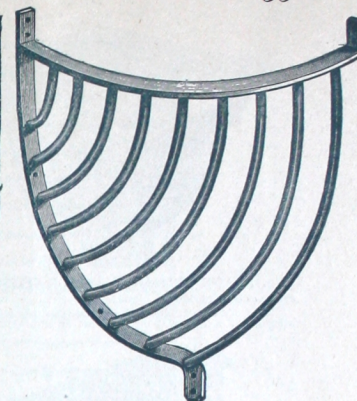
No. 12 $\frac{1}{2}$ -SQUARE OAT MANGER.

With Food Flange all around, japanned.
Size, 19 in. long by 14 in. wide, 10 in. deep, each, \$2.50
Convenient to use in connection with a wood manger.



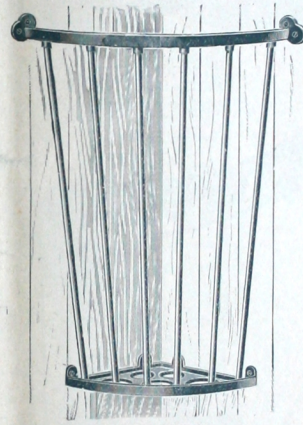
No. 80-WROUGHT IRON HAY RACK.

For center of stall.....each, \$5.00



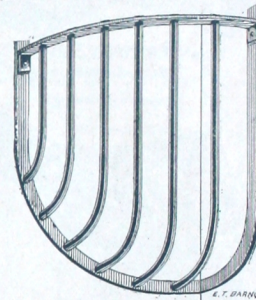
WROUGHT STEEL CORNER HAY RACK.

No. 82each, \$3.25



No. 86-IRON CORNER HAY RACK.

Priceeach, \$3.00
Has cast top with Rabbet to receive Boards for Hay Chute. Has perforated cast bottoms to allow dust to fall through. Upright rods are of $\frac{1}{2}$ -inch steel. Is shipped knock down making freight charges less.



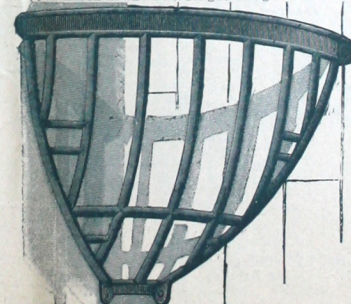
Improved Wrought Steel Corner Hay Rack.
REGULAR SIZE.

No. 84each, \$3.50

No. 85-B-CORNER HAY RACK.

(Extended for Hay Chute.)

Price, 5 feet 6 inches high.....each, \$9.00



Extra Heavy Cast Iron Corner Hay Rack.

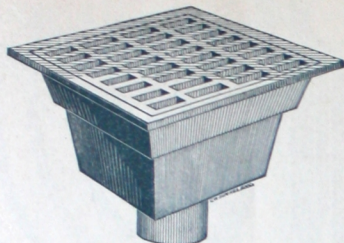
No. 16 $\frac{1}{2}$, for the corner of a stall.....each, \$2.75



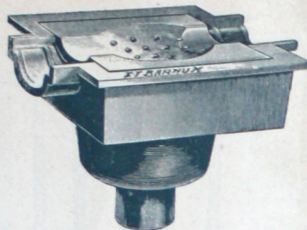
CAST IRON CORNER HAY RACK.

No. 15 $\frac{1}{2}$, for the corner of a stall.....each, \$2.25

STABLE FITTINGS.



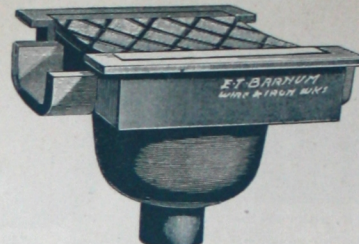
No. 31 1/2-CARRIAGE WASH OR CESSPOOL.
Size, about 16 inches square.....each, \$4.50
This Cesspool has a movable grating sufficiently strong for a horse to step on without breaking.



No. 32 1/2-BELL TRAP CESSPOOL.
Made to connect with No. 120 1/2 open gutter, japanned.....\$5.50



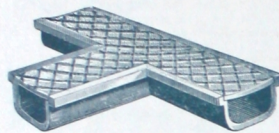
No. 28 1/2-BELL TRAP CESSPOOL.
Size, 12 x 12 inches, japanned each \$2.75
Size, 8 x 8 inches, japanned each, 1.75
Size, 6 x 6 inches, japanned each, 1.00
Size, 4 1/2 x 4 1/2 inches, japanned each, 0.75



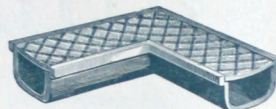
No. 300-B-BELL TRAP CESSPOOL.
For a Gutter Drain.....each, \$4.00
Made to connect with No. 309-B Stall Gutter. This Cesspool, in connection with Improved Gutter, affords perfect drainage, and keeps a stable pure and healthy. Outlets can be made on any side.



No. 74 1/2-POLE BRACKET.
Japannedper pair, \$1.75



T ANGLE CONNECTION.
Making T angle.
\$1.25 extra per lineal foot. (See No. 209-B Gutter.)



L ANGLE CONNECTION.
Making L angle.
\$1.00 extra per lineal foot. (See No. 209-B Gutter.)

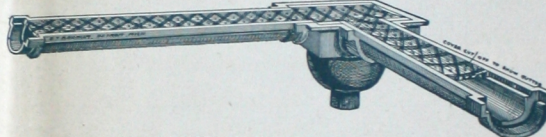


No. 120-B-OPEN STALL GUTTER.
7 1/2 inches wide, japanned, without cover.....per foot, 75c
This Gutter is made in sections 5 feet long and to connect with No. 32 1/2 Cesspool.

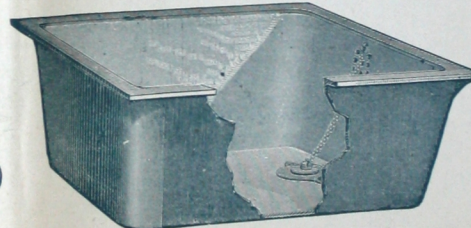


No. 209-B-IMPROVED CAST IRON STALL GUTTER.
Any length, about 7 inches wide.....per foot, 85c
Any length, about 5 inches wide.....per foot, 75c
Made to connect with No. 300-B Cesspool.

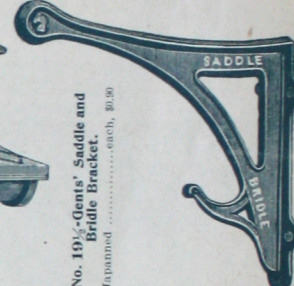
THIS GUTTER CAN BE GRADED IF DESIRED, COSTING EXTRA, but the usual way is to cut out floor and set it in so it will slope slightly.



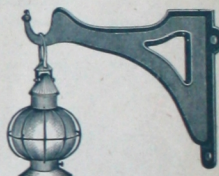
No. 121-STALL GUTTER WITH COVER.
Any length, 5 inches wide.....per foot, 75c
With No. 300-B Cesspool. (See price of Cesspool above.) Sections are about 5 feet long.



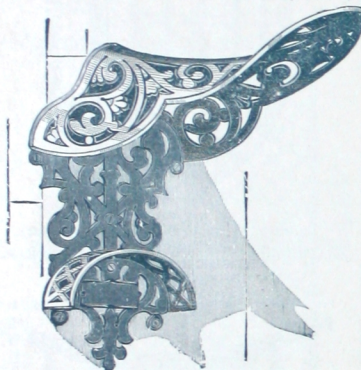
No. 1 1/2-C-WATER TROUGH.
20 inches long, 16 inches wide, 12 inches deep.....\$ 6.75
24 inches long, 18 inches wide, 12 inches deep..... 8.25
30 inches long, 20 inches wide, 12 inches deep..... 11.50
36 inches long, 20 inches wide, 12 inches deep..... 13.25
48 inches long, 20 inches wide, 17 inches deep..... 23.50
With Patent Overflow, Plug Strainer and Chain Extra.
These water troughs are very convenient and should be placed in every barn.



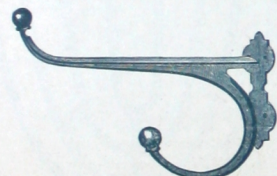
No. 19 1/2-Genis' Saddle and Bridle Bracket.
Japannedeach, \$0.90



No. 78 1/2-Lantern Bracket.
Japannedeach, 40c



No. 1028 1/2-SADDLE AND BRIDLE BRACKET.
Japannedeach, \$5.00



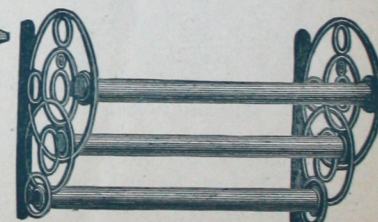
No. 174-HARNESS HOOK.
6 inches long, japanned.....per doz., \$1.50
8 inches long, japanned.....per doz., 1.75
10 inches long, japanned.....per doz., 2.00



No. 77 1/2-Oiling and Washing Bracket.
Japannedeach, 50c



No. 46 1/2-Hitching Ring.
LION'S HEAD
Each\$0.40



No. 29 1/2-Blanket Bracket.
FOR THREE ROLLERS.
Price, per pair.....\$3.00
Wood Rollers.....extra for the 2, 1.00

6½ feet long, 25 inches high, painted.....	each, \$6.00	8 feet long, 25 inches high, painted.....	each, \$7.50
7 feet long, 25 inches high, painted.....	each, 6.50	8½ feet long, 25 inches high, painted.....	each, 8.00
7½ feet long, 25 inches high, painted.....	each, 7.00	9 feet long, 25 inches high, painted.....	each, 8.50

Box Sial work to match..... per square foot, 35c.

The Box Stall Work is usually made the same style of work and height as the Stall Partitions, with or without food doors, as may be required. Special prices quoted on application.

To match No. 10 Stall Guard.

Price per square foot.....30¢.

No guard figured less than 5 square feet.

Made of heavy steel wire, crimped and interwoven and secured into a steel channel frame, making them almost indestructible

These Guards have a strong wrought steel frame and fasten to wood-work with screws. They are usually made the same height as STALL PARTITION. Send memorandum of sizes for special prices.

We can make a lighter Box Stall Guard with round steel frame for 25¢ per square foot.

We can make a lighter Box Stall Guard with round steel frame for 25¢ per square foot.

To correspond with No. 4 Stall Guard.

Price, per sq. ft.	65 cents
Price, per sq. ft.	65 cents

No guard figured less than 5 square feet.

This style of enclosure is sometimes preferred to the mesh work. We prefer to quote net prices on all work in this line. Send us a memorandum of just what you want.

work. We prefer to quote net prices on all work. Send us a memorandum of just what you want.

\$ 8.00	18 feet long 25 inches high	valued	each	\$ 0.25
---------	-----------------------------	--------	------	---------

8 1/2	feet long, 25 inches high, painted.....each,	\$2.00
9	feet long, 25 inches high, painted.....each,	10.50
10 1/2	feet long, 25 inches high, painted.....each,	10.50

But the stall post, at same price,

6½ feet long, 25 inches high, painted.....each, \$8.00 8 feet long, 25 inches high, painted.....

7 feet long, 25 inches high, painted.....	each, 8.50	8½ feet long, 25 inches high, painted.....	each, 10.00
7½ feet long, 25 inches high, painted.....	each, 9.00	9 feet long, 25 inches high, painted.....	each, 10.50

Box Stall Work to match, per square foot.....50c

Box Stall Work to match, per square foot.....55c

The compound with No. 10 Still Chem.

Price per square foot
to correspond with No. 12 Steel Guard

Price per square foot.....500

No guard figured less than 5 square feet.

To correspond with No. 14 Steel Case

Price per square foot

Price per square foot.....
No guard figured less than 5 square feet.

We prefer to quote net prices on all work in this line. Send us a memorandum of just what you want.

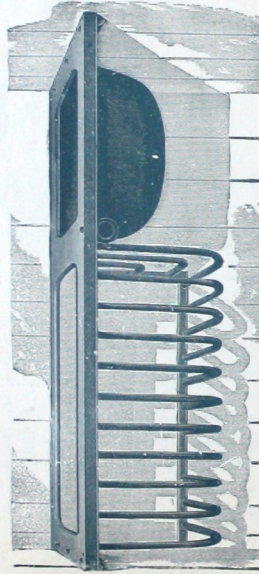
With Center Rosettes and End sleeves

Painted.....each,	\$10.75	8	feet long, 25 inches high, painted.....each,	\$12.75
Painted.....each,	11 50	8 1/4	feet long, 25 inches high, painted.....each,	\$12.75

Painted.....each,	11 50	8½ feet long, 25 inches high, painted.....each,	13 50
Painted.....each,	12 00	9 feet long, 25 inches high, painted.....each,	14 00

Can be made without the end cleavage at 50¢ per square foot. 85¢.

Can be made without the end sleeves at a less price.



No. 3-COMBINED MANGER AND HAY RACK.

	Price complete as shown.
4 feet 6 inches to 5 feet long.....	\$35.00
5 feet 1 inch to 5 feet 6 inches long.....	22.00
5 feet 7 inches to 6 feet long.....	24.00

Our Hitching Posts are Painted and Relieved
with Bronze.



No. 24-
Wrought Iron
Hitching Post.
2½ feet long to
5 feet long to
walk each, \$3.00
5 ft. long to go
round each, \$4.00
Each

No. 3-C

Each \$5.75

No. 7-D-
Hickory,

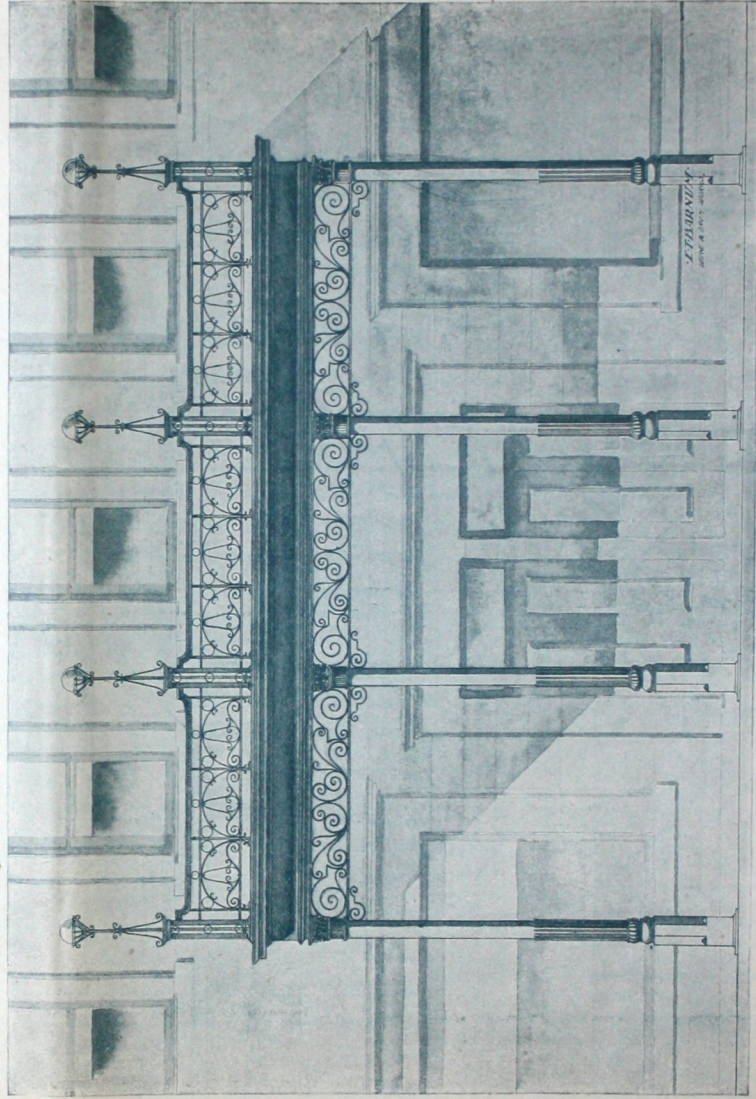
Each \$5.00

No. 8-C-
Grape Vine,

Each \$5.75

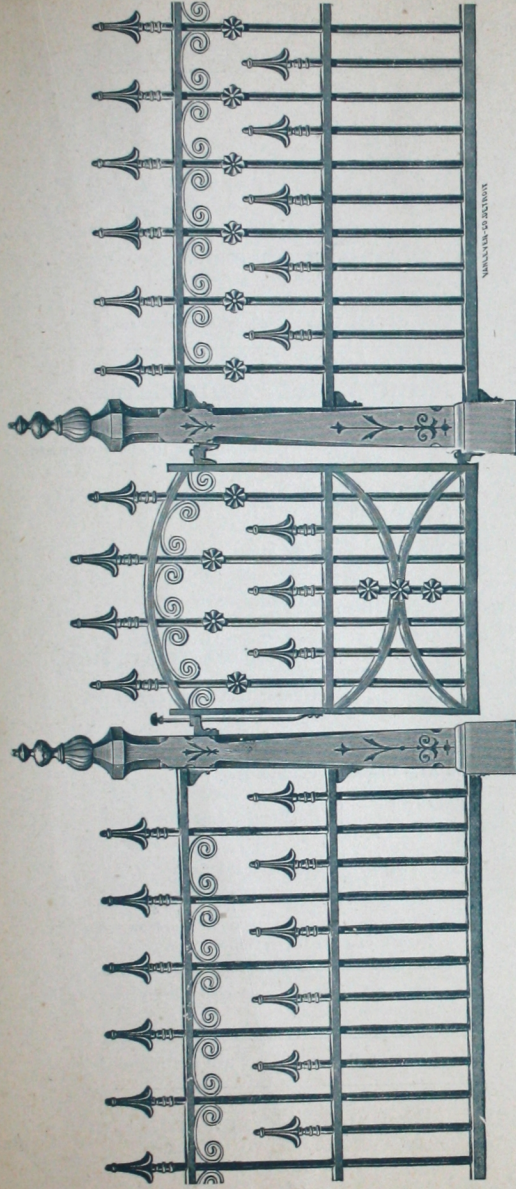
No. 5-C-Plain,

Each \$3.00



No. 66-IRON PORTICO.

With handsome, Ornamental Wrought Iron Railing and Iron Columns, and with or without ornamental colored glass ends, lettered. Especially intended for the main entrances to Hotels. It is a decided ornament to any building, is an excellent shelter during a storm, and the top can be used as a balcony for reviewing parades, etc. **HOTELS ARE INCOMPLETE** without this protection at the MAIN AND LADIES' ENTRANCES. In writing for estimates, please send diagram and measurements. Other designs will be submitted upon application. The design of iron columns used depends on size of portico. Specify NUMBER and name of goods wanted. PLEASE DO NOT TEAR OUT PAGES.



No. 244-F-WROUGHT IRON AND STEEL FENCE.

Copyrighted, 1879, by E. T. Barnum.

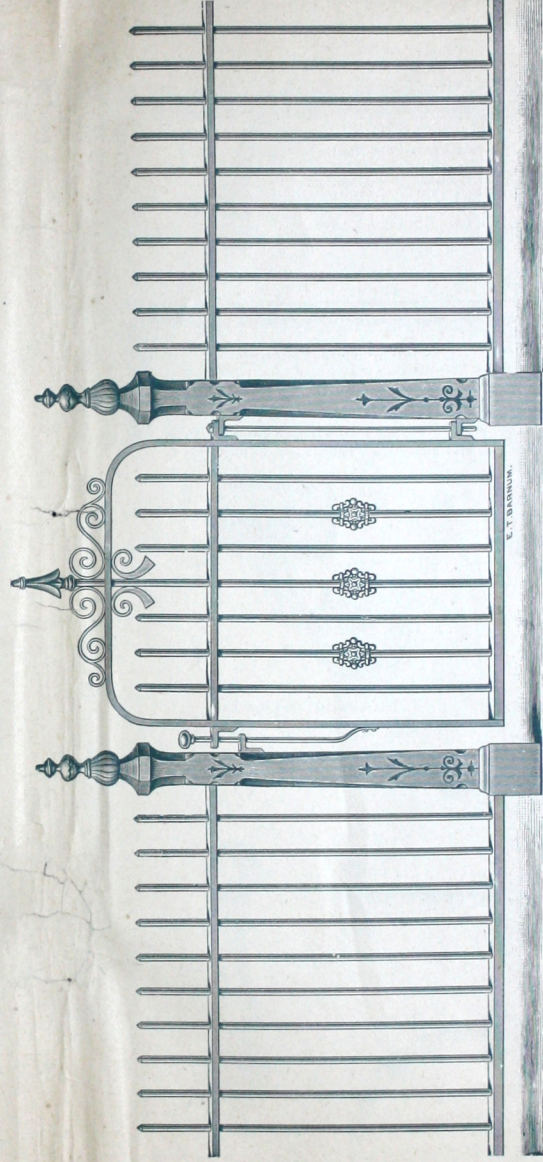
No. 245-F-WROUGHT IRON AND STEEL FENCE.

Pickets are Round Steel. Price includes line posts and foundations.

	1/4 in.	3/8 in.	1/2 in.	5/8 in.	3/4 in.
26 inch pickets, 30 inches high when set, per lineal foot.....	\$1.00	\$1.10	\$1.25	\$1.50	\$1.75
30 inch pickets, 34 inches high when set, per lineal foot.....	1.05	1.15	1.30	1.55	1.80
36 inch pickets, 40 inches high when set, per lineal foot.....	1.15	1.25	1.40	1.65	1.90
42 inch pickets, 46 inches high when set, per lineal foot.....	1.25	1.35	1.50	1.75	2.00
48 inch pickets, 52 inches high when set, per lineal foot.....	1.35	1.45	1.60	1.85	2.10
Gates and large posts are charged extra, and are also measured in the fence.					

No. 245-F—Add 10c per lineal foot to price of No. 244 F.

HIGHEST AWARD RECEIVED AT WORLD'S FAIR ON IRON AND WIRE FENCES.



No. 430-D-WROUGHT IRON AND STEEL FENCE.

Pickets are Round Steel. Price includes line posts and foundations.

	1/4 in.	3/8 in.	1/2 in.	5/8 in.	3/4 in.
26 inch pickets, 30 inches high when set, per lineal foot.....	\$0.75	\$0.85	\$1.00	\$1.25	\$1.50
30 inch pickets, 34 inches high when set, per lineal foot.....	0.80	0.90	1.05	1.30	1.55
36 inch pickets, 40 inches high when set, per lineal foot.....	0.90	1.00	1.15	1.40	1.65
42 inch pickets, 46 inches high when set, per lineal foot.....	1.00	1.10	1.25	1.50	1.75
48 inch pickets, 52 inches high when set, per lineal foot.....	1.10	1.20	1.35	1.60	1.85
Gates and large Posts are charged extra, and are also measured in the fence.					

This is one of the best and cheapest fences made. Gates similar to those shown with Nos. 213½, 244 and 441 fences can be used with this fence, costing a trifle extra.

HIGHEST AWARD RECEIVED AT WORLD'S FAIR ON IRON AND WIRE FENCES.

Price of large posts for gates, corners and ends of fence, extra, each 1/2 in.

1/2 in.	\$4.00
3/4 in.	5.00
1 in.	6.50
1 1/4 in.	7.50
1 1/2 in.	8.00
1 3/4 in.	9.00



No. 20-Door Guard to Prevent Breakage of Glass Panels.

Price according to size. We also make several other styles.

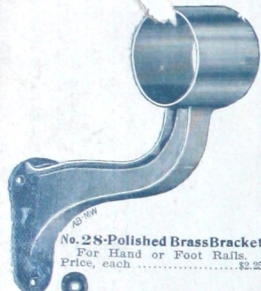
No. 9-Polished Brass Foot Rail.

Standards Polished Brass, each.....\$2.25
 Rail 2 in. in diameter, Polished Brass, per foot, 1.50
 End Ornaments, Polished Brass, each......75



No. 8-Polished Brass Foot Rail With No. 15 Standards.

No. 15 Standards, about 6 inches high, polished brasseach \$2.50
 If nickel plated, \$3.00 each.
 Rail, 1 3/4 inch diameter polished brass.....per foot 1.00
 If nickel plated, \$1.25 per foot.
 End Ornaments for same, polished brass each 1.00
 If nickel plated, \$1.25 each.
 The above cut of Standards and Foot Rail is intended for BANKS, OFFICE buildings, restaurants, etc. Will prevent the counters becoming damaged. Can be electro-plated any desired finish corresponding with other work.



No. 28-Polished Brass Bracket

For Hand or Foot Rails.

Price, each\$2.25



No. 29-Polished Brass Bracket

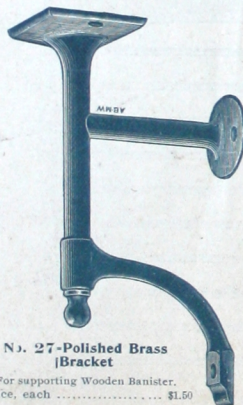
For Hand or Foot Rails.

Price, each\$2.75



No. 26-Polished Brass Post.

Made any height, or diameter. Prices on application.



No. 27-Polished Brass Bracket

For supporting Wooden Banister.

Price, each\$1.50



No. 15-Polished Brass Standard.

Used with Hand and Counter Rails.
 9 in. high each \$3.50
 6 in. high each 2.50

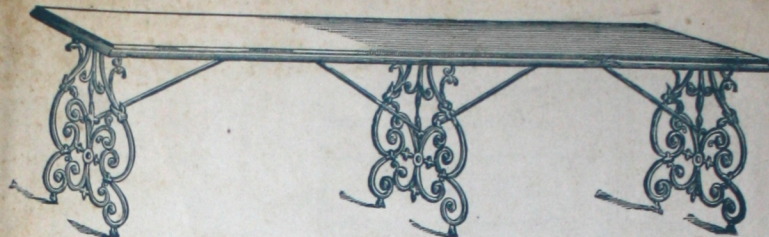
No. 25-Polished Brass Bracket.

For Foot Rails, etc.
 Size, 5 in. x 8 in. high, each, \$2.00
 Size, 8 in. x 8 in. high, each, 2.50

No. 88-METAL SIGN.

(With raised polished letters.)

Made with heavy metal body of brass or steel, with beveled edges. Letters are polished brass or copper and show to excellent advantage.
 The cost varies according to size of sign and amount of lettering and the less lettering there is the more conspicuous the sign will be. Any lettering can be applied and the sign is therefore entirely suitable for entrance to Doctor's Office, Manufactory, Store, etc.
 Prices on application.



No. 56-B-ORNAMENTAL IRON COUNTER SUPPORTS.

ABOUT 2 FEET 5 1/2 INCHES HIGH.

Per set of 3 with braces, handsomely painted and bronzed\$7.25
 Per set of 2 with braces, handsomely painted and bronzed 5.50
 These counter supports are used extensively for clothing, cigar and druggists' show cases, store counters, etc.

Our Latest Catalogues.

- | | |
|-----------------------------|--|
| CATALOGUE
No. 130 | { General Catalogue to the Hardware Trade. |
| CATALOGUE
No. 132 | { Steel and Wire Fences, Iron Gates. |
| CATALOGUE
No. 106 | { Bank and Office Railings. |
| CATALOGUE
No. 138 | { Jail Cells, Prison Work. |
| CATALOGUE
No. 140 | { Lawn Goods, Iron Reservoir Vases, Iron Settees and Chairs, Statuary. |
| CATALOGUE
No. 1080 | { Elevator Cabs and Enclosures. |
| SPECIAL—Display Fountains. | |
| SPECIAL—Drinking Fountains. | |
| CATALOGUE
No. 1255 | { Fire Proof Vault Doors. |
| CIRCULAR
No. 1301 1/2 | { Metal Covered Sash Bars. |

When writing for Catalogues, please mention what kind of work you are interested in.

This enables us to figure understandingly, and quote our lowest prices.

Please give us full particulars when writing for prices.

E. T. Barnum Wire and Iron Works,
 DETROIT, MICH.